NASA Reference Publication 1007

Viking Lander Imaging Investigation

Picture Catalog of Primary Mission Experiment Data Record

Robert B. Tucker

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This photograph was taken by Viking Lander 1 on the afternoon of the thirty-second Mars day after landing. The view covers 40° looking northeast from the landing site. The large dark rock in the foreground is approximately 8 m from the lander and is about 1 m high and 3 m long. Drifts of fine material can be seen extending toward the horizon.

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National Aeronautics
and Space Administration

**Scientific and Technical
Information Office**

1978

PREFACE

This publication provides a general reference for the imaging data from the Viking lander primary mission. It presents the results of the procedures which were applied to the imaging data to produce an organized record which is as complete and as error free as possible. The result is called the experiment data record. This publication also contains all images returned by the two Viking landers during the primary mission. Skyline drawings display the outlines of the images as they appear in the viewing area. Also included is a selection of computer-generated camera event reports that list supplemental information about the conditions under which the data were collected and how they were processed and recorded. In addition to a comprehensive report, several listings are included which group the images in a variety of ways, as by time of day, for example.

A section on terminology has been included to assist with the interpretation of the listings and the image presentation. Several diagrams also provide assistance on this subject. This publication will acquaint the user with the imaging data that are available from the Viking lander primary mission and the procedure used to obtain photographic products.

A large number of individuals have made substantial contributions to this report. There are three major groups: the scientists who developed the science requirements for the design of the lander camera system and the acquisition of the data, the Lander Imaging Flight Team which, together with these scientists, implemented the mission plan for the lander camera system, and a group which participated specifically in the production of this report material.

The Viking Lander Imaging Science Team consisting of Thomas A. Mutch, Team Leader; Elliott Levinthal, Deputy Team Leader; Alan B. Binder; Friedrich O. Huck; Sidney Liebes, Jr.; Elliot Morris; James A. Pollack; and Carl Sagan developed the science plans.

The Viking Lander Imaging Flight Team includes the members of the Viking Lander Imaging Science Team and Raymond E. Arvidson, Phil Avrin, Raymond Batson, C. Ernest Carlston, Robert D. Collie, Kenneth L. Jones, William R. Patterson, R. Steve Saunders, Glenn R. Taylor, and Michael R. Wolf. This group, augmented by Edward Dunham, Paul Fox, Sven Grenander, Edward Guinness, Ralph Kahn, and David Pieri, implemented the necessary procedures to command the cameras and to return and process the imaging data. The Lander Imaging Flight Team was part of an organization of 850 people that comprised the complete Viking Mission Flight Team.

In the production of the report materials use was made of the facilities of the Image Processing Laboratory at the Jet Propulsion Laboratory and many individuals in the Image Processing Laboratory contributed to the image processing. David L. Atwood, Rodger Philips, and Deborah Spurlock had major responsibilities in the development of the final experiment data record data base under the direction of William B. Green, Donald J. Lynn, and Arnold A. Schwartz. The computer-generated graphics and reports were developed by Jackson Wilson from data organized by Ted Sesplaukis under the direction of Michael Martin of the Viking Data Library. Steve Saunders and Michael . Marcolini supplied the commentary material for the camera event reports.

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INTRODUCTION

The Viking Mission to Mars consisted of two spacecraft, each comprised of an orbiter and a lander. They were launched by Titan III/Centaur rockets on August 20, 1975, and September 9, 1975, and placed in orbit around Mars on June 19, 1976, and August 7, 1976, respectively.

The Viking lander imaging investigation used a pair of cameras on each of the two landers to characterize the scene at two sites on the surface of Mars. This publication presents a catalog of the imaging data received from the two landers during the period from the touchdown of Viking Lander 1 until the transmission from both spacecraft was temporarily halted on November 7, 1976, because of solar conjunction.

Viking Lander 1 touched down on the surface of Mars on July 20, 1976, at 1613 relative to local Mars midnight. The landing site is on the western slopes of Chryse Planitia at 22.483° N and 47.94° W (areographic coordinates). Viking Lander 1 faces in a southeasterly direction (141.91° clockwise from north as defined by the side of the spacecraft on which the two cameras are mounted). The spacecraft deck is tilted 3° downward in the direction 285.18° clockwise from north.

Viking Lander 2 touched down at 0948 relative to local Mars midnight on September 3, 1976, at a landing site in the Utopia Planitia region at 47.968° N and 225.71° W. It faces in the direction 29.13°. The lander has a tilt of 8.21° downward in the direction 277.7° from north.

The two orbiting spacecraft from which the landers separated provide communication support for the landers in addition to independent activities involving orbiter science. Approximately 8000 images were acquired during the primary mission by the orbiter cameras and are described in other reports (for example, ref. 1).

In addition to the imaging experiment, eight other areas of scientific investigation were supported by the landers: biology, molecular analysis, inorganic chemical analysis, meteorology, seismology, magnetic properties, physical properties, and radio science. Portions of the imaging experiment were performed in support of these other investigations.

Figure 1 shows histograms of the quantity of camera data received from the two landers for each Mars solar day during the primary phase of the mission. (See ref. 2.) The data return from Lander 1 was reduced considerably after Lander 2 landed. This reduced data flow from Lander 1 was transmitted directly from the lander to Earth by using the S-band communication system. The cameras are facsimile type devices which image the scene with selectable spatial resolution and spectral response. The image information is digitized by the cameras

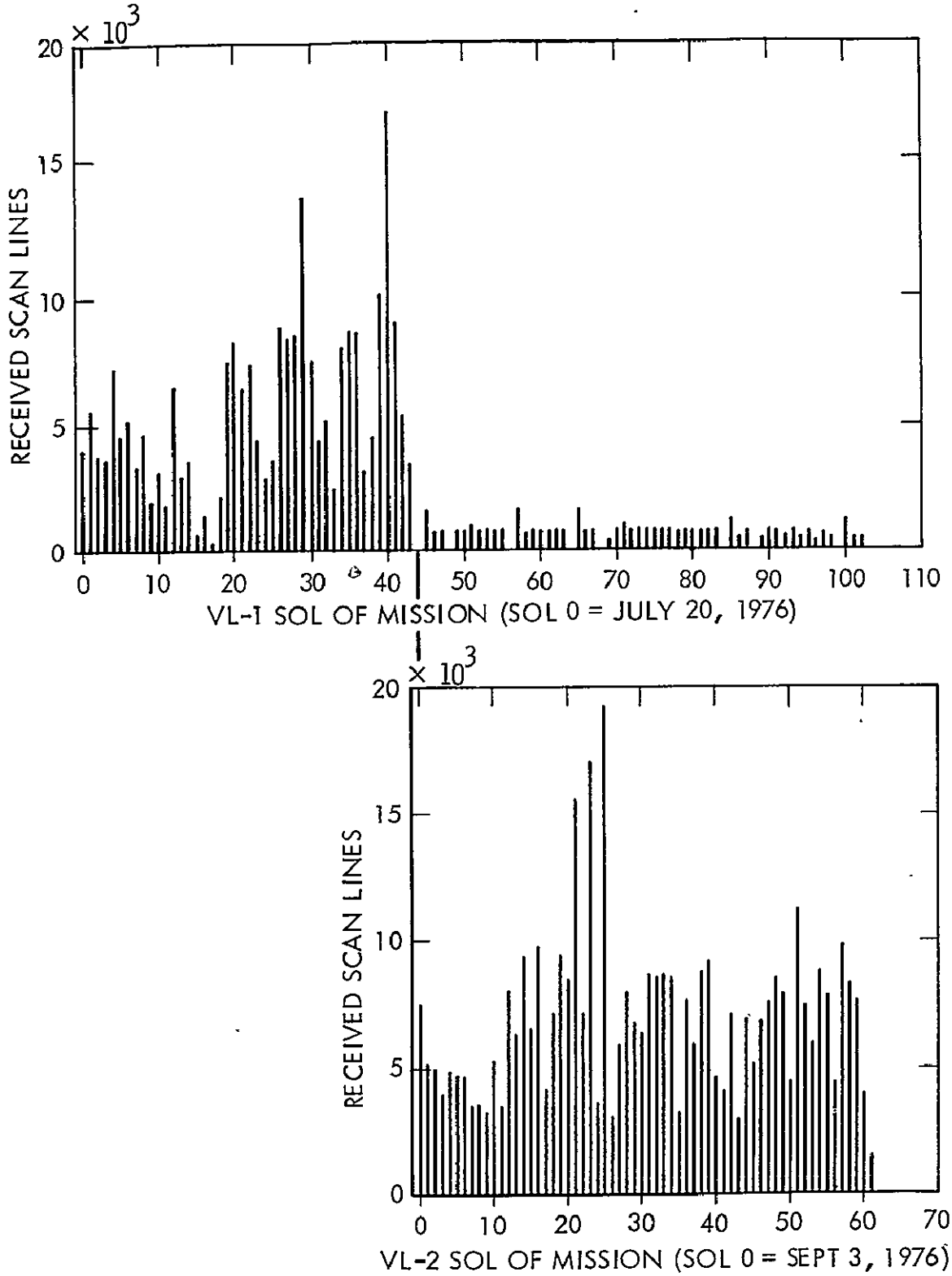


Figure 1.- Histograms of quantity of data received.

for transmission to Earth. Also transmitted to Earth is supplementary information which identifies the images and indicates the conditions under which the data were collected.

On Earth the digital data are used to reconstruct the images. Sometimes, communication strategies result in a set of image data being received more than once. Selection and merging operations are performed to develop the most error-free record of the data, which is termed the experiment data record (EDR).

The data are stored on magnetic tape and are converted by means of various recording devices to photographic media. Film negatives are produced and are used to make positive transparencies, positive prints, and microfiche photographic products. These photographic products and magnetic tapes constitute the primary mission experiment data record of the Viking lander imaging investigation and are described in this publication.

Also included in this publication are computer-generated camera event reports that list supplemental information about the conditions under which the data were collected and how they were processed and recorded. In addition to skyline drawings, displaying the outlines of images as they appear in the viewing area, listings are included which group the images in a variety of ways, as by time of day, for example.

ABBREVIATIONS

AZ	azimuth
BB	broadband
bps	bits per second
CACCS	camera-aligned camera coordinate system
CE	camera event
CLR	color
DCS	dark current subtractor
DIGIFAX	digital facsimile printing device
DN	data number
EDR	experiment data record
EL	elevation
FOVLIP	first-order Viking lander image processing
GCMS	gas chromatograph-mass spectrometer

GMT	Greenwich mean time
IPL	image processing laboratory
IPL PIC ID	Image Processing Laboratory picture (photograph) identifier
IR	infrared
ISDR	intermediate system data record
JPL	Jet Propulsion Laboratory
LACCS	lander-aligned camera coordinate system
LACS	lander-aligned coordinate system
LLD/T	local lander day/time
LLT	local lander time
LSEQ	lander sequencing software
MTIS	mission and test imaging system
MTPS	mission and test photographic system
N	north
PDA	power distribution assembly
POS.	positive
PSA	photosensor array
RESTIMG	restore image data
RT	real time
RTG	radioisotope thermoelectric generator
SB	S-band
SDR	system data record
sol	Mars solar day
SUR,SURV	survey
SYS	system
TDR	team data record

TLMP	telemetry processing
TRANS.	transparencies
UHF	ultrahigh frequency
UTC	coordinated universal time
VICAR	video information classification and retrieval
VIS	visible
VL	Viking lander
VLLOG	Viking lander logging
VMCCC	Viking mission control and computing center
λ	wavelength, μm

IMAGING EXPERIMENT

LANDER CAMERAS

The Viking lander cameras are facsimile type instruments in which a mirror, nodding in elevation and rotating in azimuth, sweeps the field of view over selected photodiodes (ref. 3). The two cameras on each lander are 0.8 m apart and view the scene from a nominal height of 1.3 m.

Mechanical and Optical Design

The mirror nods on a horizontal axis which itself pivots on a vertical axis. This scanning mechanism provides for vertical scan lines acquired in the direction from low to high elevation. During the vertical scan, the acquisition of picture elements (pixels) is such that the separation between pixel centers equals the azimuth step size in degrees, either 0.04° or 0.12° depending on the command. This results in a 20.48° vertical field of view for a 0.04° azimuth step size and a 61.44° view at a 0.12° step size. The starting and stopping azimuths can be commanded in increments of 2.5° over a range of 342.5°. The elevation pointing angle (the center of the elevation scan) can be commanded in 10° increments such that the field of view extends from -60° to 40° relative to the plane of the lander. The light that is reflected by the mirror is imaged by an achromatic triplet lens onto the photosensor array. This lens has an aperture of 9.95 cm and a focal length of 5.37 cm.

Care must be taken in interpreting the images produced by such a camera when the picture elements (pixels) are displayed in a conventional rectilinear coordinate system (as used in the image reconstruction). Straight lines in

the original scene are not, in general, reconstructed as straight lines in the resulting image. (The conventional perspective camera preserves straight lines.)

Photosensing and Data Acquisition

Twelve silicon photodiode sensors are command selectable and provide for a selection of spectral response and angular resolution. Interference filters associated with six of the diodes provide for three visual color bands (red, green, and blue) and three near-infrared spectral bands (IR1, IR2, and IR3). These bands have instantaneous fields of view of 0.12°. Four diodes (BB1, BB2, BB3, and BB4) with an instantaneous field of view of 0.04° and nominally associated with the 0.04° step size are placed at different distances from the lens for focus selection (1.9, 2.7, 4.5, and 13.3 m) resulting in an overall depth of field from 1.7 m to ∞. One diode (survey) has no filter and is used for black and white panorama imaging utilizing the 0.12° step size. The Sun diode has a 0.12° instantaneous field of view and a red filter for solar imaging. Figure 2 shows the spectral characteristics of the diodes. The BB curve applies to diodes BB1, BB2, BB3, BB4, and survey. Table 1 is a summary of the spatial characteristics of the camera. (See ref. 3.)

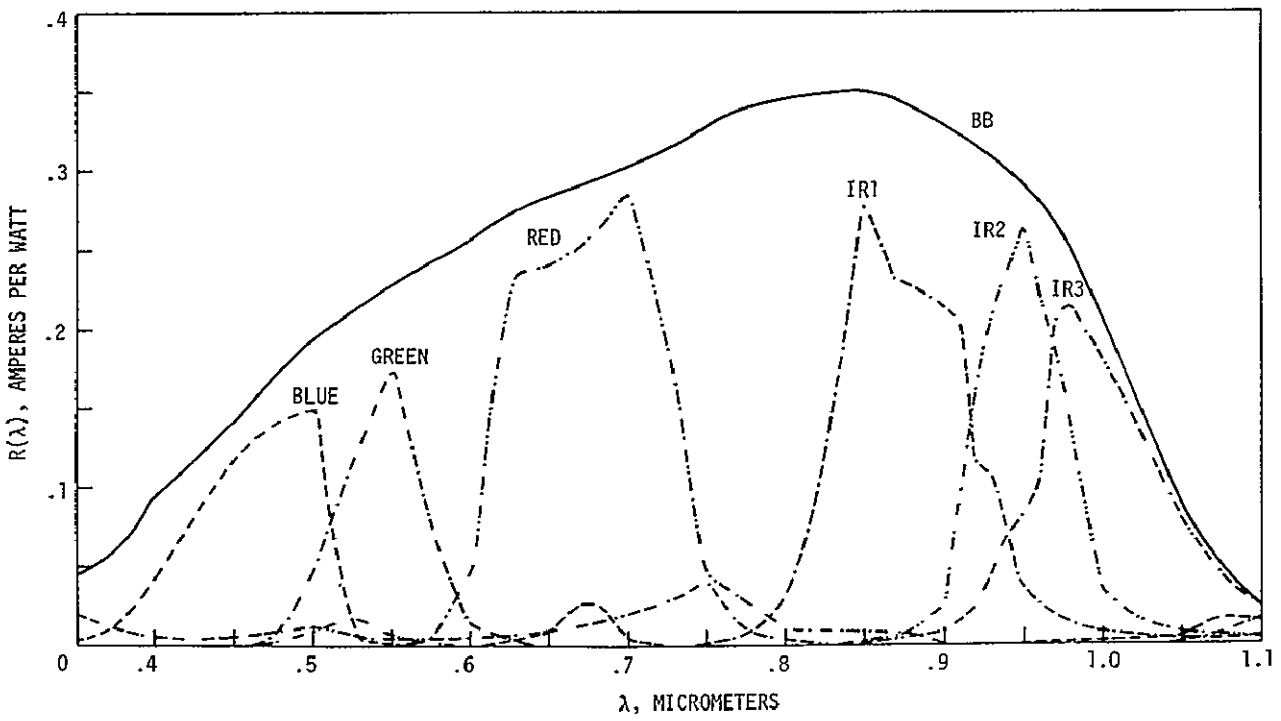


Figure 2.- Spectral response R(λ) characteristics of photosensor array.

TABLE 1.- CAMERA CHARACTERISTICS

Characteristic	Survey	Color and IR	High resolution
Instantaneous field of view, deg	0.12	0.12	0.04
Picture element registration error, deg	±0.036	±0.013	±0.006
Absolute angle error:			
Elevation, deg	±0.3	±0.2	±0.2
Azimuth, deg	±0.15	±0.1	±0.1
Frame width:			
Elevation, deg	61.44	61.44	20.48
Azimuth (min; max), deg	2.5; 342.5	2.5; 342.5	2.5; 342.5
Field of view:			
Elevation, deg	100; from 40° above to 60° below horizon in 10° steps		
Azimuth, deg	342.5; in multiples of 2.5° steps		
Geometric depth of field, m	1.7 to ∞	1.7 to ∞	1.7 to ∞
In-focus distance, m	3.7	3.7	1.9, 2.7, 4.5, and 13.3
Picture elements per line	512	512	512
Bits per picture element	6	6	6
Bits per degree azimuth	2.84×10^4	8.53×10^4	8.53×10^4
Time per degree azimuth:			
Rapid scan, sec	1.84	5.52	5.52
Slow scan, min	2.0	6.0	6.0

An internal light source with four selectable intensities permits calibration information to be gathered before and/or after a scene has been imaged. The calibration data have a camera event label associated with them and are treated in the data management system as a separate camera event. There is also a light source external to the camera in the protective post for use in scan verification.

Multispectral imaging (nominal color or infrared) is accomplished by alternately selecting three diodes (either blue, green, red, or IR3, IR2, IR1) for three vertical scans at each azimuthal position with, nominally, a 0.12° step. The data are thus gathered for each diode, or spectral band, in an interleaved fashion. The data management system separates these interleaved images prior to storage in the experiment data record.

The camera electronics provides a 6-bit pixel value for each point scanned. (This value is later changed to 8 bits after receipt on Earth; see section "Pixel Data Records.") However, before the analog-to-digital conversion takes place, a dark current subtraction is made in which a previously acquired dark current from the photosensor is subtracted from the signal current. Although the option exists to inhibit this subtraction, the option was not implemented for any images during the primary mission phase (reference to this option has

been deleted from the listings of command parameters). The dark current is evaluated every 64 scan lines; therefore, a slight band effect results in some images taken at high gains.

The dynamic range of the 6-bit (64 levels) encoding scheme is extended by using 6 commandable linear gains and 32 offsets. The gains and offsets associated with each camera event are listed in the sections "VL-1 Camera Event Report" and "VL-2 Camera Event Report." Figure 3 (ref. 3) shows the relationship between the digital pixel values and the photosensor array signal level for the available gains and offsets.

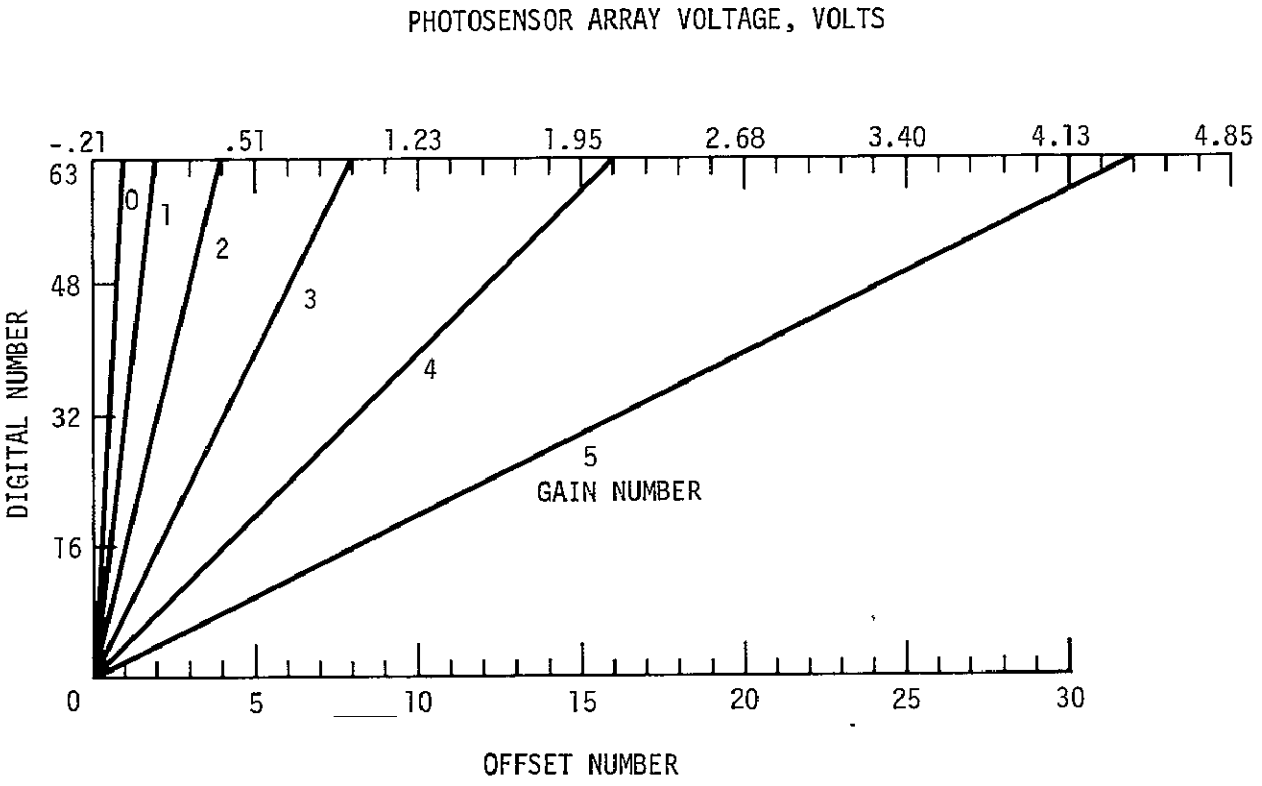


Figure 3.- Camera gains and offsets.

Both geometric and photometric calibration procedures were performed during the development of the camera system. The geometric calibration data indicate azimuthal "bolt down" and coning errors on the order of 1°. Additional photometric calibration steps were performed just prior to launch, after spacecraft sterilization (ref. 4). However, neither the EDR image data stored on magnetic tape nor those shown in the EDR photographic products and parameter lists have had any decalibration processing applied to them. The radiometric calibration is reported in reference 5 and the geometric calibration is in progress.

DATA TRANSMISSION

Several options exist for transmitting the camera data from Mars to Earth. The two major classifications are recorded imaging and real-time imaging. In recorded imaging, camera data are generally acquired in the 16 000-bps scan rate and recorded on the lander tape recorder. The option exists, however, to acquire the data at the 250-bps scan rate, buffer it in the data storage memory, and then record it at the higher rate. In the primary mission phase this buffering was done only when acquiring a small number (14) of visual color camera events in the rescan mode. The recorded data can be transmitted directly to Earth at 1000, 500, or 250 bps via the S-band link. For the primary phase of the mission the playback of the tape recorder directly to Earth was implemented only during the reduced activity period of VL-1 image data return. The data relay from the orbiters varies from 16 000 bps to 1000 bps.

Real-time imaging involves no use of the lander tape recorder and is divided into two categories: direct to Earth via the S-band transmitting system at 250 bps or to an orbiter at 16 000 bps (UHF).

It is important to note that the camera commanding procedure for recording imaging is different from that for real-time imaging. A result is that the conditions under which rescanning occurs at the end of a camera event differ. (See Rescan in the section "Camera Event Command Parameters and Lighting Conditions.") There is also the opportunity for blank image lines when the commanded duration of a real-time camera event is shorter than the time required to scan the commanded azimuth range. These blank image lines are added during the ground data handling procedures.

All data returned by the spacecraft are received by the Deep Space Network (DSN) with tracking stations located in California, Spain, and Australia. The data are then transmitted to the Jet Propulsion Laboratory. More than one tracking station may receive the data and more than one transmission from a station to JPL may occur. Thus, several received versions of a camera event (or a portion of a camera event) may occur in the incoming data record. One of the data management tasks is to merge repeatedly received images to recover the most error-free data record.

DATA BASE DEVELOPMENT

The development of the real-time data base begins as the imaging data are received at JPL. The telemetry processing software separates the imaging data from the other science data and forwards it to the first-order Viking lander imaging processing (FOVLIP) system as the system data record. Figure 4 shows the flow of the data in the development of the experiment data record.

The FOVLIP system provides a basic set of image processing and display capabilities which support real-time enhancement of the images and video displays. On-line and off-line hardcopy capability also exists. The system merges information from an "expected images" information list with the incoming

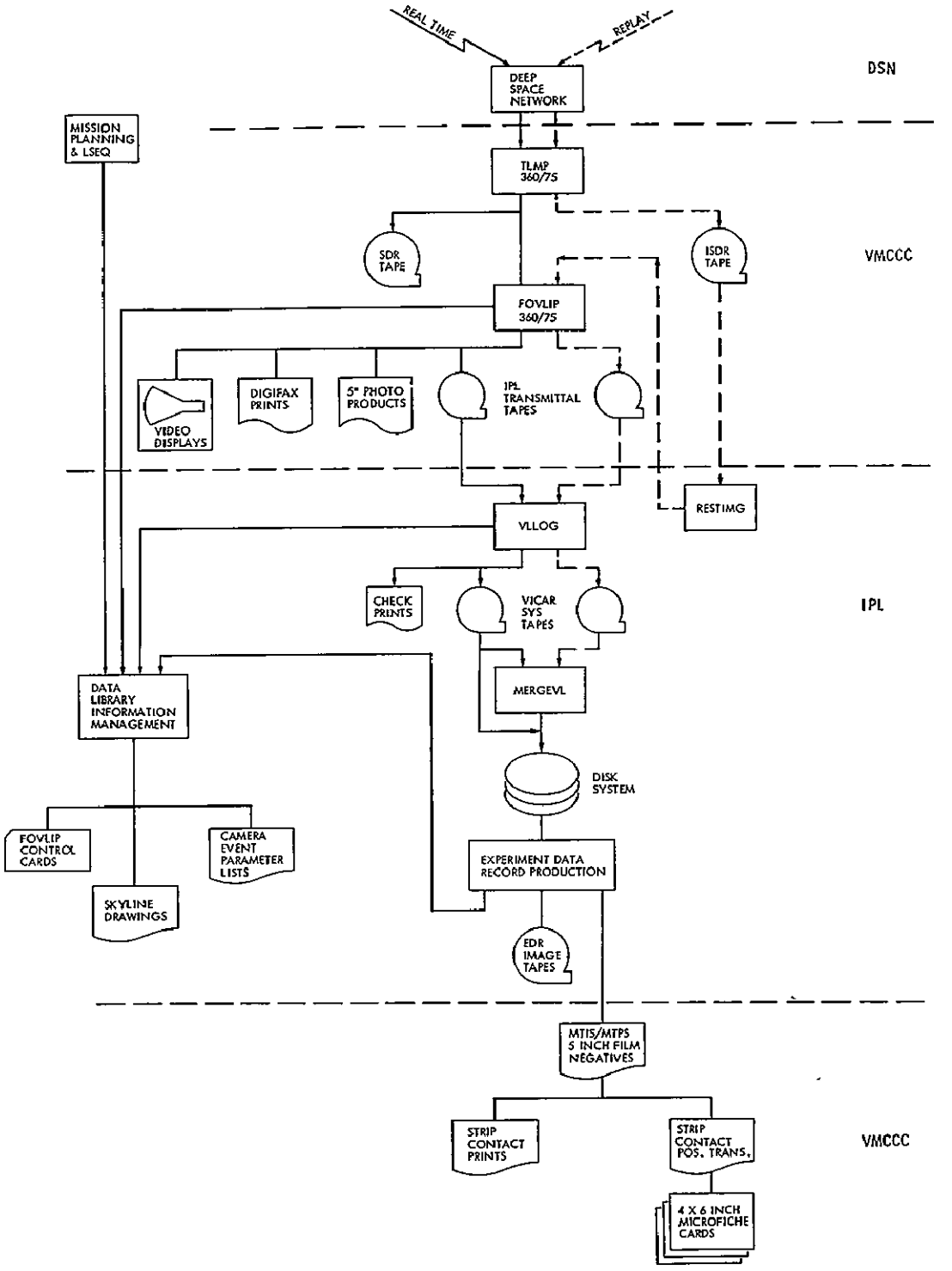


Figure 4.- Imaging data flow. The dashed path indicates the flow of non-real-time data prior to being merged with real-time data. 4 in. = 102 mm; 5 in. = 127 mm; 6 in. = 152 mm.

data and produces properly identified, annotated, and formatted displays. The capability exists for noise removal, contrast enhancement, and spatial filtering of the displayed images. The data base developed by FOVLIP is forwarded on tape to the JPL Image Processing Laboratory.

The image data collected by the tracking stations are replayed at a later time to obtain a better data record, called the intermediate system data record. These data are sent to IPL for computer processing directed toward further recovery of image lines scrambled during transmission. The results of this image restoration process (RESTIMG) are returned to FOVLIP (VMCCC) where they are verified and then merged with the annotation data. This restored data record is subsequently sent to IPL for logging into the VICAR image processing system.

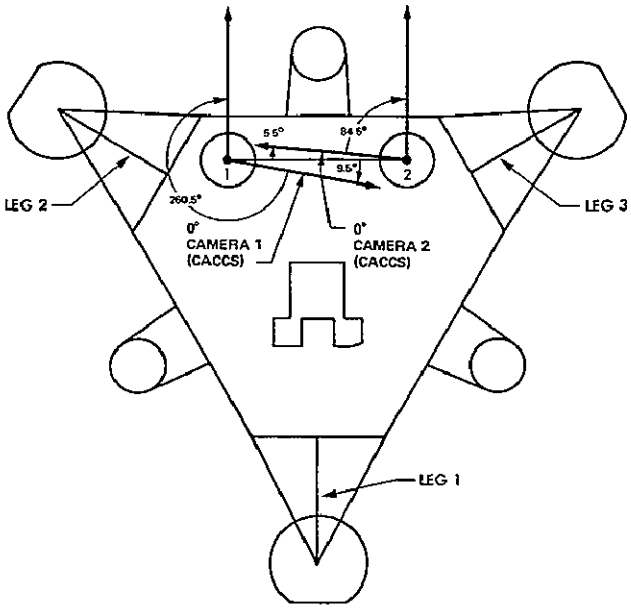
By selecting from these two sets of image data, managed under VICAR, the most complete set of image data is collected on a disk-based storage system. In some cases, the selection consists of an entire image from either the original transmission (SDR) or a recall (ISDR). In other cases, camera scan lines from the original version are merged with scan lines from a recall. Cases also exist where the selection process is done at the pixel level. A judgment is made as to the possibility that a particular pixel suffers from a bit error which makes it advisable to select a pixel from a different transmission. No "despiking" operations are applied to arbitrarily assign new values to certain pixels. However, the choice of pixel selection from multiple transmissions is, to some extent, arbitrary. Miscellaneous annotation errors are also corrected at this point in the processing. This disk-resident data base is then used in the production of the experimental data record and a variety of other image processing tasks.

IMAGING EXPERIMENT COORDINATE SYSTEMS, TERMINOLOGY, AND LABELING

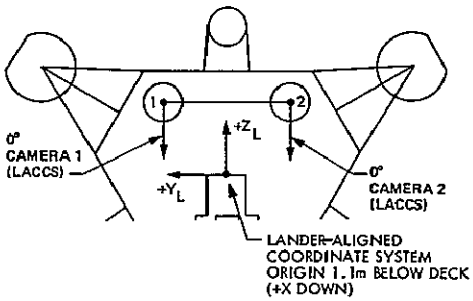
This section is intended primarily as a glossary for the parameters listed in the VL-1 and VL-2 parameter lists and the label information on the images. The material described is common to many of the photographic products. The later sections, which describe these products in greater detail, supplement this glossary.

Coordinate Systems

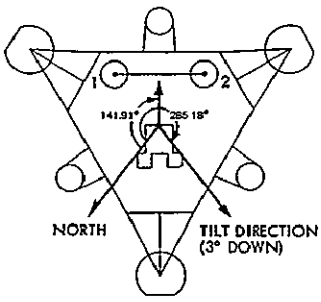
Camera-aligned camera coordinate system.- The coordinate system primarily used in this publication is the camera-aligned camera coordinate system (CACCS). The origin of this system is at the intersection (nominal) of the rotation axes of the camera mirror. In the CACCS, azimuth angles are measured clockwise (viewed from above) from a vector pointing in the general direction of the other camera. For camera 1 this vector passes in back of camera 2 but for camera 2 it passes slightly in front of camera 1. (See fig. 5(a).) The CACCS is the reference for the start azimuths and stop azimuths presented in the parameter lists for VL-1 and VL-2. The cameras are commanded by using the CACCS notation. This system is the reference for the notation which appears on the horizontal scale through the center of each camera view in the VL-1 and VL-2 skyline drawings. The CACCS system is also referenced by the fiducial annotation on the



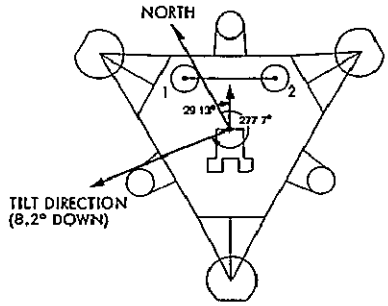
(a) Camera-aligned camera coordinate system.



(b) Lander-aligned camera coordinate system.



(c) Lander 1 orientation.



(d) Lander 2 orientation.

Figure 5.- Camera coordinate systems and orientation of landers.

EDR photographic products. However, this fiducial annotation presents two azimuth angles separated by a slash (/). The first references the CACCS, as just discussed; the second references the lander-aligned camera coordinate system as described in the next section.

The camera elevation angle is measured from the direction perpendicular to the azimuth axis of the camera as described in the section "Center elevation."

Lander-aligned camera coordinate system.- The lander-aligned camera coordinate system (LACCS) is referenced in only two situations in this publication. The azimuth entries which appear following the slash (/) at the top of the EDR photographic products reference the LACCS as do the azimuth entries which appear at the top and bottom of each camera view on the VL-1 and VL-2 skyline drawings. In the LACCS system, azimuth angles are measured clockwise (viewed from above) from a vector perpendicular to the inter-camera baseline and directed toward the rear of the lander. (See fig. 5(b).) Its origin is at the intersection (nominal) of the rotation axes of the camera mirror. LACCS derives its name from its similarity to a commonly used general lander coordinate system, the lander-aligned coordinate system (LACS), which has an origin 1.1 m below the center of the top surface of the lander. (See fig. 5(b).)

Lander tilt.- The landers are tilted slightly relative to the local gravity vector. VL-1 is tilted 3° downward in the direction 285.18° clockwise from north. (See fig. 5(c).) VL-2 has a tilt of 8.21° downward in the direction 277.9° from north. (See fig. 5(d).)

Camera Event Command Parameters and Lighting Conditions

The terms in this section relate to the parameters used to command the cameras and the conditions under which the image data are acquired. Common abbreviations and acronyms are shown in parentheses. These parameters appear in VL-1 and VL-2 parameter lists, on the photographic products, and in the magnetic tape label records.

Frame count.- Frame count is a lander assigned sequence number which increases by 1 for each camera event. Its starting value is 1 and recycles to 0 after reaching 255.

Camera event.- Camera event (CE) refers to a single executed camera command which is identified by a frame count. It results in the collection of vertical scan lines of camera data.

Camera event label.- The camera event label is a 10-character identifier used to designate a camera event. The first character (1 or 2) indicates the lander (VL-1 or VL-2), the second character (1 or 2) indicates the camera on the lander, and the third character is the frame count cycle. This third character takes on the values A, B, C, . . . and is included because the frame count (the three digits following the frame count cycle) resets to 0 after counting to 255. The three digits following the slash (/) are the sol on which the camera event occurred. (See next section.)

Mars solar day.- The Mars solar day (sol) is considered to have a length of 24 hours, 39 minutes, and 35.25 seconds; it is usually abbreviated as sol. Sol 0 is the particular spacecraft's landing day. Sol 0 for VL-1 is July 20, 1976, and sol 0 for VL-2 is September 3, 1976.

Local lander time.- Local lander time (LLT) refers to the time after local midnight at the lander on Mars. Generally, it refers to the beginning of a camera event. It is designated in hours, minutes, and seconds (Earth units) in the format H:M:S and often appears preceded by sol separated by a slash.

Diode.- As described in the section "Lander Cameras" there are 12 photodiodes in the camera. These diodes are generally referred to by name: BB1, BB2, BB3, and BB4 for the high-resolution broadband diodes; SURV for the low-resolution broadband diode; BLU, GRN, and RED for the visual color diodes; IR1, IR2, and IR3 for the infrared diodes; and SUN for the diode used in Sun imagery. When the diodes are used in triplet mode (nominally BLU, GRN, RED or IR1, IR2, IR3), a /T is generally appended (e.g., BLU/T). Calibration images are identified by "CAL" in this field, sometimes preceded by the first diode used in the calibration and followed by the light source level.

Azimuth start/stop.- The azimuth start and stop entries are the azimuth limits, in degrees, of a camera event. (See "Coordinate Systems.") Sometimes, there are missing camera scan lines which result in no image data at points within this range.

Center elevation.- Camera events are commanded by specifying the center elevation (ELEV) pointing angle (EPA) of the resulting image. The direction perpendicular to the camera's azimuth axis of rotation is the 0° reference (negative is below, positive above). This value is sometimes followed by the lower and upper limits of the scan in parentheses. Note that this is the commanded elevation and must be adjusted for nonnominal modes.

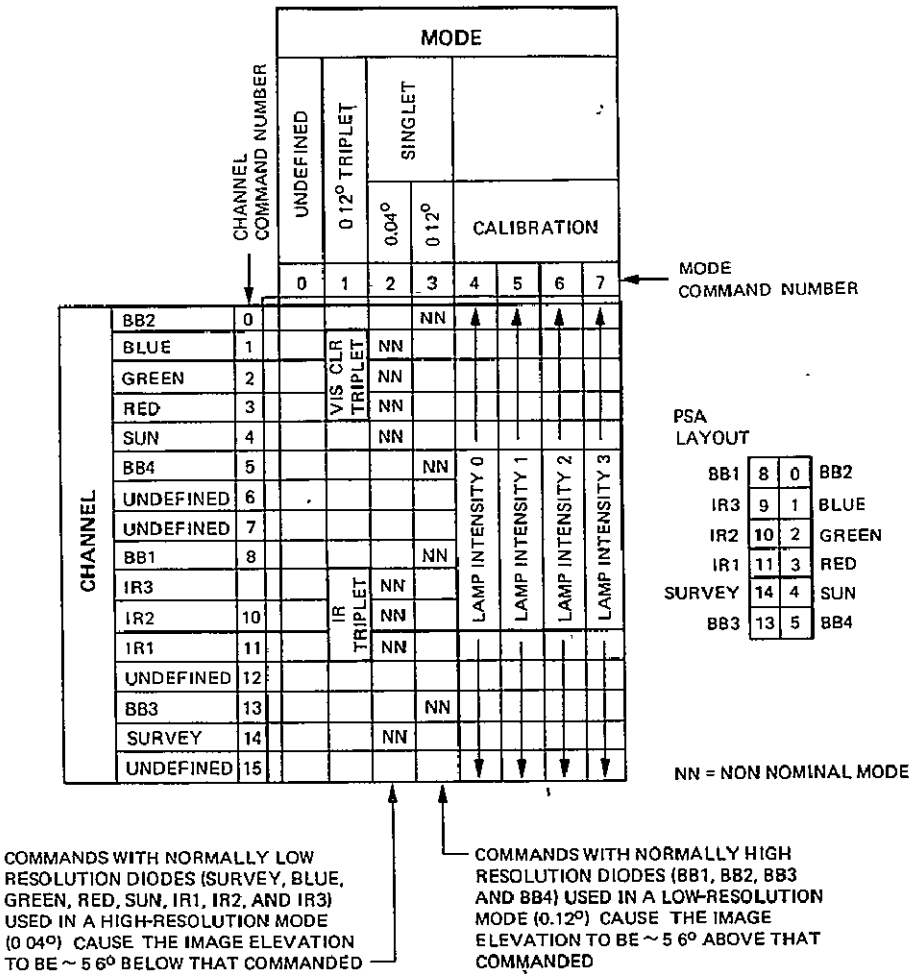
Step size.- The camera step size may be either 0.04° or 0.12° and expresses the angular separation in azimuth between successive scan lines and the angular separation in elevation between successive picture element centers.

Channel.- The channel (CHAN) is the camera parameter which determines the diode used in the camera event. The value range is from 0 to 15 but 6, 7, 12, and 15 are left undefined. (See table 2.)

Mode.- The mode is a camera command parameter which selects the camera scan step size and the choice between a single or triple scan (at each azimuth position). The mode also selects one of four intensity levels of the internal calibration light source. (See table 2.)

Nonnominal modes.- Table 2 displays the diode channels and the camera modes. The term nonnominal mode refers to a mismatch between the step size used in a camera event and the instantaneous field of view of the diode channel selected. (See table 1.) It is important to note that high-resolution diodes (BB1, BB2, BB3, and BB4) used with a step size of 0.12° will cause the elevation of the image to be increased by approximately 5.6°. A low-resolution

TABLE 2.- CAMERA CHANNELS AND MODES



diode used with a step size of 0.04° will cause the elevation of the image to be decreased by approximately 5.6°.

The term nonnominal mode is also sometimes used to refer to triplet images other than the normal: BLU, GRN, RED, or IR3, IR2, IR1 scanning. However, no such nonnominal triplet scanning was commanded during the primary mission phase.

Offset.- There are 32 commandable offsets of equal voltage steps available which can be applied to the sensed radiometric measurements prior to digitization at the camera. The offsets are identified by the numbers 0 to 31. (See fig. 3.)

Gain.- The six commandable camera gains are designated by the integers 0 to 5 and represent decreasing amounts of gain (by factors of 2) as the numbers increase from 0. (See fig. 3.)

Data path.- Two indicators separated by a slash are used to describe the data transmission path from the cameras to Earth. The first is either REC or RT indicating, respectively, that the data were recorded on the lander for later transmission or transmitted in real time as the camera scanned. The second (UH or SB) indicates whether the data went to the orbiter via the UHF link or directly to Earth via the S-band link.

Scan rate.- The camera has two scan rates: 16 000 bps and 250 bps. The parameter reflects this rate with an entry of 16K or 250.

Photosensor array temperature.- The photosensor array temperature (PSA TEMP) is a value in the range 0 to 63 (DN) which indicates the temperature of the camera's photosensor array. It is expressed in the EDR data as an average over the duration of a CE and may be shown either on a scale of 0 to 63 or converted to degrees Celsius by the following formula:

$$^{o}C = 1.98DN - 60.95$$

Solar azimuth and elevation.- The azimuth and elevation of the Sun (SOLAR AZ/EL) are expressed in the "local horizon system" wherein the zenith is at 90° elevation and the horizon (perpendicular to the local gravity vector) is at 0° elevation. Azimuth is measured in the clockwise direction (viewed from above) with 0° directed toward the north.

Antisolar azimuth and elevation.- The azimuth and elevation of the antisolar vector (ANTI-SOLAR AZ/EL) is given in the CACCS which acquired the image referenced. The direction is that of a vector from the Sun to the camera.

Event time.- The day of year (1976) and time of the beginning of a camera event are listed on most photographic product labels. Although labeled as GMT, the value indicated is that of UTC. The elements, day, hour, minute, and second, are in the format D/H:M:S. On some photographic products the colons are replaced by periods.

Dust (D).- The capability exists on the camera to direct a discharge of CO_2 across the outer surface of the protective outer window of the camera prior to executing a camera event. This dusting (D) was done several times in the early days of the primary mission.

Rescan.- There are three different conditions which can result in rescan (R) as follows:

(1) Rescan command bit: A rescan command bit can be set for a camera event; this results in the camera rescanning at the stop azimuth for a time (RESCAN.DT), determined by a command stored in the data base of the lander's on-board computer. Six such camera events were executed on VL-1 and eight on VL-2. These were all rescan lines since the start azimuth equaled the stop azimuth. All were visual color triplets taken at the low scan rate and buffered in the data storage memory (DSM) before storage on the tape recorder.

Such CE's are identified by the appearance of the word RESCAN (or R) in their parameter entries.

(2) RTI camera events: If the event duration listed in the spacecraft real-time imaging tables is longer than the time required to scan the commanded azimuth range, the extra time is consumed in rescanning of the last azimuth position. This type of rescanning was associated with 28 CE's on VL-1 and 40 CE's on VL-2. In 15 of these, only a few rescan lines (<15) were acquired. Most were in the range of 25 to 100 rescan lines (only 8 had more than 100 rescan lines).

(3) Recorded camera events: For the recorded CE's, rescanning was used in connection with the assignment of an extra time allocation in recorded imagery to allow for the tape recorder run up and reversal. This generally resulted in less than 12 rescan lines. There were 187 such occurrences on VL-1 and 269 on VL-2. Most photographic products list the first camera scan line which represents a rescan line and the total number of such rescan lines. The total is calculated by subtracting the line number of the first rescan line from the last rescan line and adding one. This step uses the designated line numbers returned with the data. Transmission errors may have reduced the actual amount of data received in some cases.

Data Receipt Parameters

The parameters given in this section relate to the receipt, storage, and film conversion of the image data. The parameter data in these categories are separately indicated for each member of a triplet camera event. These parameters appear in the VL-1 and VL-2 parameter lists, on the photographic products, and in the magnetic tape label records.

Data record.- The final image data may come from either the system data record, the intermediate system data record, or a composite (COMP) of the two. An entry is made under data record to reflect this source.

Data link.- Some photographic products list (under data link) the processing stage, or path, of an image during the development of the EDR data base. This is specified as "RAWEDR" for the final EDR versions of the images.

Scan lines.- The total number of vertical scan lines stored in the data system is listed under the heading SCAN LINES or LINES TOTAL. It is determined by dividing the commanded azimuth range by the step size and then adding the total number of rescan lines.

Missing lines and gaps.- Camera scan lines not received due to transmission errors appear as black lines in positive photographic products (Pixel value = 0). The total number of missing lines and the number of image gaps they cause are listed on some photographic products.

Average data number value.- The average data number value (AVE DATA VALUE) is the arithmetic mean of the digital value of all received pixels for an image.

Standard deviation.- The standard deviation entry is the standard deviation (STAND DEV) of the distribution of digital values of all received pixels for an image.

EDR tape and file number.- The identification number of the VICAR format magnetic tape containing the EDR data for each image is specified on most photographic products. The data file position is included with it. In some cases EDR tape and file number (EDR TAPE/FILE) identification is referred to as the VICAR tape and file number.

Segment.- Many images have been divided into segments (SEG) to facilitate film conversion. (See section "127-mm (5-in.) Photographic Products.") In certain contexts the entire image may be called a segment, such as for small images not requiring division for film conversion.

Segment azimuth elevation and step size.- The segment azimuth elevation and step size (SEGMENT AZ/EL/STEP SIZE) entry indicates the azimuth and elevation of the upper left corner of a segment of an image (or the entire image if unsegmented). The azimuth is expressed in degrees in the CACCS. Elevation is measured relative to the camera's horizontal (perpendicular to the azimuth axis). Negative values indicate below the horizontal; positive, above. This elevation value incorporates the $\pm 5.6^{\circ}$ shift for nonnominal commands. The step size is either 0.04° or 0.12°.

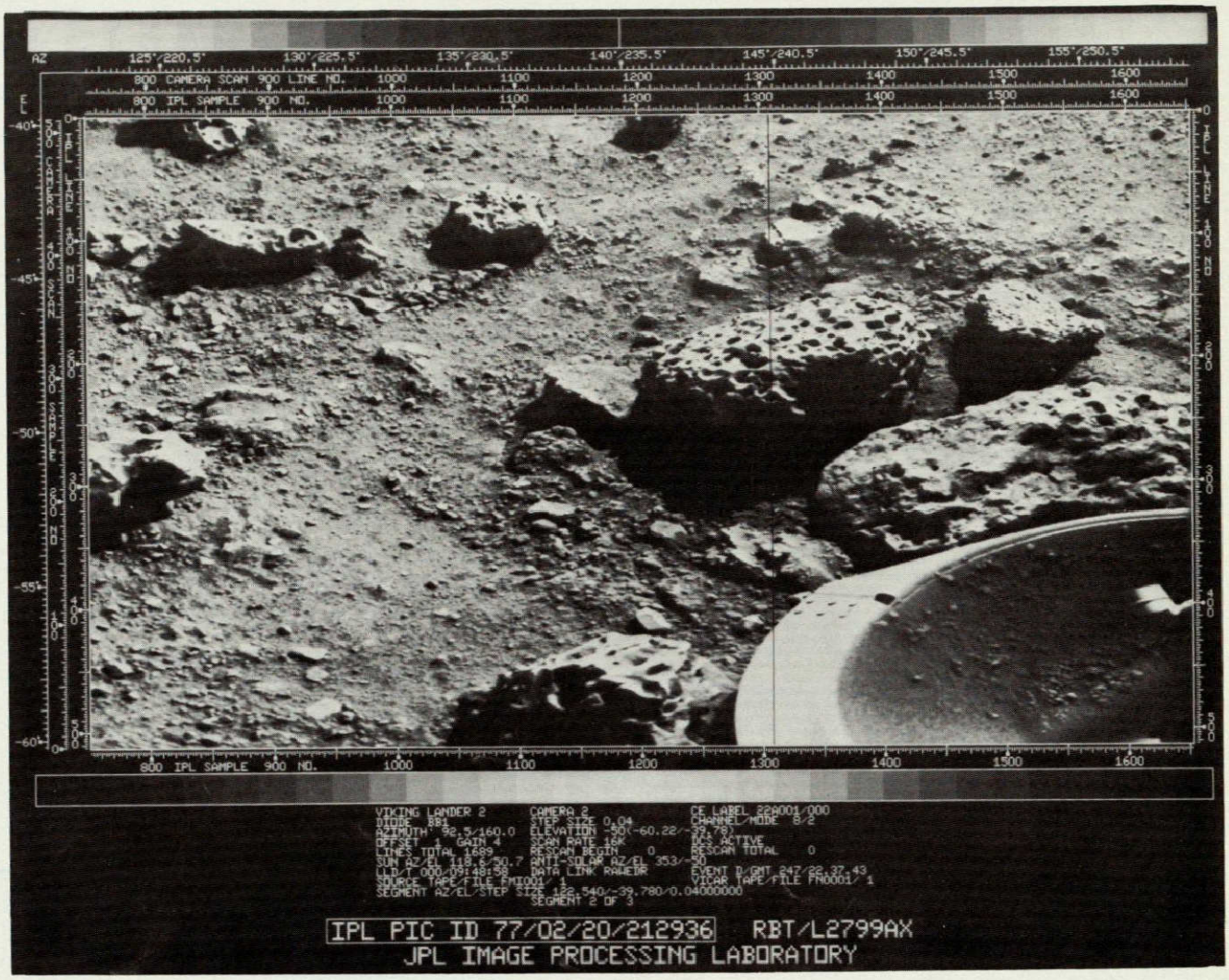
Image Processing Laboratory picture identifier.- The Image Processing Laboratory picture (photograph) identifier (IPL PIC ID) is a 15-character date-related descriptor which uniquely identifies a photographic product processed at the JPL Image Processing Laboratory. It contains four subfields which are separated by slashes: year, month, day of month, and time of day. Where an image has been subdivided to facilitate film conversion each segment has its own IPL PIC ID.

Photographic Product Fiducial Annotation

There are three types of fiducial scales which identify the pixel positions on the EDR photographic products. (See fig. 6.)

The innermost set (closest to the image) is called the IPL line number in the vertical direction and the IPL sample number in the horizontal direction. The scale exists on all four sides of the image. The pixel in the upper left corner (of segment one) has the coordinate 1,1. The IPL line number increases (1 to 512) in the downward direction and the IPL sample number increases from left to right. The fiducial separations denote increments of two.

The second (middle) fiducial scale is identified as the camera scan sample number in the vertical direction and the camera scan line number in the horizontal direction. The camera scan sample number has an origin of 0 at the bottom and increases upward to 511 at the top of the image. The camera scan line increases from left to right. The fiducial separation denotes increments of two. This scale only appears at the left side and at the top of the image.



L-77-312

Figure 6.- EDR photographic product format.

The outermost fiducial scale denotes azimuth in the horizontal direction and elevation in the vertical direction. The elevation is expressed in degrees, where 0° is perpendicular to the camera azimuth axis. The elevation scale on nonnominal mode images is properly adjusted for the vertical displacement associated with such images. Two azimuth identifiers are given for the horizontal scale; the first references the CACCS, the second references the LACCS. (See section "Coordinate Systems.") The two values are separated by a slash (/) and increase from left to right. The fiducial separation is 0.2° on images of 0.04° step size and 0.5° on images of 0.12° step size. This scale appears only at the left side of the image and at the top of the image.

The horizontal scales, IPL sample number and camera scan line number, increase across the photographic product segment boundaries of segmented images. This can be seen in figure 6 which is the second of three picture segments and begins at IPL sample number 752.

EXPERIMENT DATA RECORD PROCESSING AND PHOTOGRAPHIC PRODUCTS

The experiment data record contains all imaging data received from Lander 1 and Lander 2 during the primary mission (the period from the touchdown of Lander 1 until transmission was halted by solar conjunction). The data base described in the section "Data Base Development" forms the input to the EDR processing.

The media for the distribution of this EDR are as follows:

127-mm (5-in.) strip contact prints
Magnetic tape
102- by 152-mm (4- by 6-in.) microfiche cards

CAMERA EVENTS

VL-1 Camera Events

During the primary mission, VL-1 was commanded to perform 454 camera events. Of these events, 123 resulted in image triplets (visual color and IR); therefore, the number of commanded images was 700. Three camera events were lost during transmission (two singlets and a triplet) because of RT/SB link time limitations; thus, 695 VL-1 EDR images resulted from 451 camera events.

VL-2 Camera Events

VL-2 was commanded to perform 582 camera events of which 150 were image triplets; therefore, a total of 882 commanded images resulted. Eight singlets were lost due to a RT/UHF problem late in mission 2; thus, the total number of images was 874 from 574 camera events for VL-2. Table 3 presents a summary of the camera events by event type and the number of events with a significant amount of rescanning. The camera can rescan at the stop azimuth of a camera event in both real-time and recorded modes. In recorded images, rescan was done in 14 CE's which were entirely rescan lines using color mode at the slow (250 bps) scan rate. Many other recorded images had small amounts (<15 lines) of rescan resulting from a strategy related to tape recorder performance.

CAMERA EVENTS NOT RECEIVED ON EARTH

The primary mission camera events not received on Earth are given in table 4. All entries related to these CE's have been deleted from the EDR and related listings. They are the only camera events of the primary mission phase which are not stored on the set of EDR tapes, referenced in the parameter listings, or shown in the image displays.

TABLE 3.- CAMERA EVENTS

Camera event (by event type)	Step size	VL-1				VL-2			
		Primary		Extended (b)		Primary		Extended (b)	
	(a)	CE	Lines	CE	Lines	CE	Lines	CE	Lines
High resolution	0.04	188	175.6×10^3	74	49.7×10^3	240	210.9×10^3	84	36.3×10^3
Survey[c]	.12	44	17.3	0	0	63	23.5	0	0
Color[d]	.12	74	41.9	31	17.7	100	91.4	21	22.0
IR[d]	.12	48	24.6	19	13.5	50	41.7	1	1.5
Color/IR singlets[e]	.12	33	16.2	7	.4	70	59.5	29	9.4
Sun[f]	.12	20	3.9	32	2.0	29	3.5	33	2.0
Calibration	----	25	1.5	13	.7	22	1.3	11	.6
Scan verification[g]	.12	19	.8	7	.3	0	0	2	.1
Total		451	281.8×10^3	183	84.3×10^3	574	431.8×10^3	181	71.9×10^3
Real-time rescan:									
<25 lines		11	65			9	66		
≥25 lines		17	1349			31	3184		
Total		28	1414			40	3250		

[a]High-resolution diodes sampled at 0.12° step size results in 5.6° camera elevation pointing shift; low-resolution diodes sampled at 0.04° step size results in -5.6° elevation pointing shift.

[b]Extended mission refers to the period from conjunction to March 1, 1977.

[c]Five survey CE's were recorded at 0.04° step size. See footnote a.

[d]The line totals for color and IR triplet CE's are given in the number of "single diode" lines scanned.

[e]Many of these color and IR (singlet mode) CE's were recorded at 0.04° step size. See footnote a.

[f]Only two of the Sun CE's were recorded at 0.12° step size, all others were recorded at 0.04° (nonnominal). See footnote a.

[g]The scan verification CE's are images of a light source in the camera post assembly using a high-resolution diode at 0.12° step size.

TABLE 4.- CAMERA EVENTS NOT RECEIVED ON EARTH

Camera event	Diode	Data path
VL-1		
12A015/002	BB4	RT/UHF
11A020/003	CLR	RT/UHF (triplet)
12A082/012	BB1	RT/UHF
VL-2		
22B084/040	SUR	RT/SB
21B097/042	SUR	RT/SB
21B110/044	SUR	RT/SB
21B125/046	SUR	RT/SB
21B150/048	SUR	RT/SB
21B189/050	SUR	RT/SB
21B218/052	SUR	RT/SB
21B237/054	SUR	RT/SB

127-mm (5-in.) PHOTOGRAPHIC PRODUCTS

The EDR images for VL-1 and VL-2 have been transferred from digital data to 127-mm (5-in.) film. Strip contact prints, positive transparencies, and a duplicate negative are made from the original negative. Because of size limitations imposed by the film conversion equipment, many of the images had to be segmented when converted to film. Thus, the 695 images returned by VL-1 resulted in 845 photographic products. The 874 images of VL-2 resulted in 1118 photographic products.

The photographic products have a maximum of 901 data points in the horizontal direction. Where images are more than 901 pixels wide they are segmented such that there is a minimum of 150 pixels of overlap. No segment is less than 350 pixels. Any image less than 350 pixels in width is centered in an area of that width. All images are 512 pixels high. Annotation, fiducial marks, and other identifications add to the size of the images.

A segment of size 901 pixels by 512 pixels results in an image area of 99 mm by 56 mm. Such a photographic product has an overall size of 108 mm by 80 mm. The pixel size is 0.11 mm.

The image data are operated upon to provide a contrast-enhanced image which will maximize the use of the grey scale of the photographic products. However, no digital filtering, geometric correction, or radiometric normalization has been applied.

MAGNETIC TAPE STORAGE

The 695 images from VL-1 are stored on 23 9-channel industry compatible digital magnetic tapes. The 874 images of VL-2 require 30 tapes. Care has been taken to insure that the data acquired on a given sol have not been divided across tapes except in a few cases where more data were gathered on a given sol than could be stored on one tape. The tape numbers for the EDR data are given in tables 5 and 6. The range of camera event identifiers is also listed for each tape. For those camera events that are triplets, the images are stored on tape in red, green, blue or IR3, IR2, IR1 order. This is the order in which the successive scan lines are acquired. Although the triplet images were acquired in an interleaved manner, they are stored on the tapes as three separate images.

Each horizontal line of the pixels is stored as a record on magnetic tape. Each image file on the tape consists of a series of label records followed by 512 records of pixel information.

TABLE 5.- VL-1 EDR TAPE SUMMARY

Tape number	First camera event	Last camera event	Amount of tape used	
			m	ft
DN0001	12A001/000	12A016/002	381	1250
DN0002	12A016/003	11A037/005	451	1480
DN0003	11A038/006	11A067/008	576	1890
DN0004	12A068/009	11A086/012	454	1490
DN0005	11A087/013	11A115/019	433	1420
DN0006	12A116/020	11A128/021	378	1240
DN0007	11A129/022	11A144/025	482	1580
DN0008	12A145/026	12A165/027	558	1830
DN0009	11A166/028	12A177/028	326	1070
DN0010	12A178/029	11A201/029	485	1590
DN0011	11A202/029	11A218/029	500	1640
DN0012	11A219/029	12A235/029	503	1650
DN0013	12A236/030	12A252/031	457	1500
DN0014	11A253/032	12B017/033	354	1160
DN0015	11B018/034	11B037/034	485	1590
DN0016	12B038/035	11B059/036	594	1950
DN0017	12B060/037	11B073/039	454	1490
DN0018	12B074/040	12B087/040	335	1100
DN0019	11B088/040	11B099/040	396	1300
DN0020	11B100/041	11B120/042	524	1720
DN0021	11B121/043	11B145/060	604	1980
DN0022	12B146/061	11B170/080	600	1970
DN0023	12B171/081	12B198/102	604	1980

TABLE 6.- VL-2 EDR TAPE SUMMARY

Tape number	First camera event	Last camera event	Amount of tape used	
			m	ft
FN0001	22A001/000	22A018/002	546	1790
FN0002	22A019/003	22A037/005	509	1670
FN0003	22A038/006	21A069/009	625	2050
FN0004	22A070/010	22A087/012	543	1780
FN0005	22A088/013	22A104/014	479	1570
FN0006	22A105/015	21A128/017	607	1990
FN0007	21A129/018	21A151/020	619	2030
FN0008	21A152/021	22A163/021	444	1456
FN0009	21A164/022	21A173/022	308	1010
FN0010	21A174/023	22A192/023	649	2130
FN0011	21A193/024	21A197/024	163	535
FN0012	21A198/025	21A216/025	619	2030
FN0013	21A217/026	21A232/028	482	1580
FN0014	22A233/029	22A255/030	460	1510
FN0015	22B000/031	21B022/033	686	2250
FN0016	22B023/034	22B038/035	442	1450
FN0017	21B039/036	21B060/038	637	2090
FN0018	22B061/039	22B077/039	530	1740
FN0019	22B078/040	22B101/042	607	1990
FN0020	22B102/043	21B124/045	570	1870
FN0021	21B126/046	22B147/047	610	2000
FN0022	21B148/048	22B179/048	515	1690
FN0023	22B180/049	21B195/050	475	1560
FN0024	22B196/051	22B215/051	448	1470
FN0025	21B216/052	21B229/053	438	1437
FN0026	22B230/054	21B247/054	451	1480
FN0027	21B248/054	21C004/054	396	1300
FN0028	22C005/055	22C032/056	588	1930
FN0029	22C033/057	21C050/057	421	1380
FN0030	22C051/058	21C070/061	631	2070

Label Records

The magnetic-tape label records are a series of records at the beginning of each image file on magnetic tape which contain parameter information for the associated image. The length, in characters, of the physical label records is equal to the number of pixels in a horizontal image line or 360, whichever is greater. Each physical label record can be thought of as five logical records of 72 characters with the remaining character positions blank when the image size is greater than 360. Each logical record represents one line of text data as shown in figure 7. The number of lines of label information is variable. If an image is the result of a merging operation, this is indicated by the entry "MERGEVL" on a separate text line. If an image has vertical scan lines missing, the gaps are noted in the following manner: The notation "MISSING LINE GAPS (FIRST-LAST)" appears followed by up to three number pairs indicating the extent of the gaps. (See top part of fig. 7.) If more than three gaps

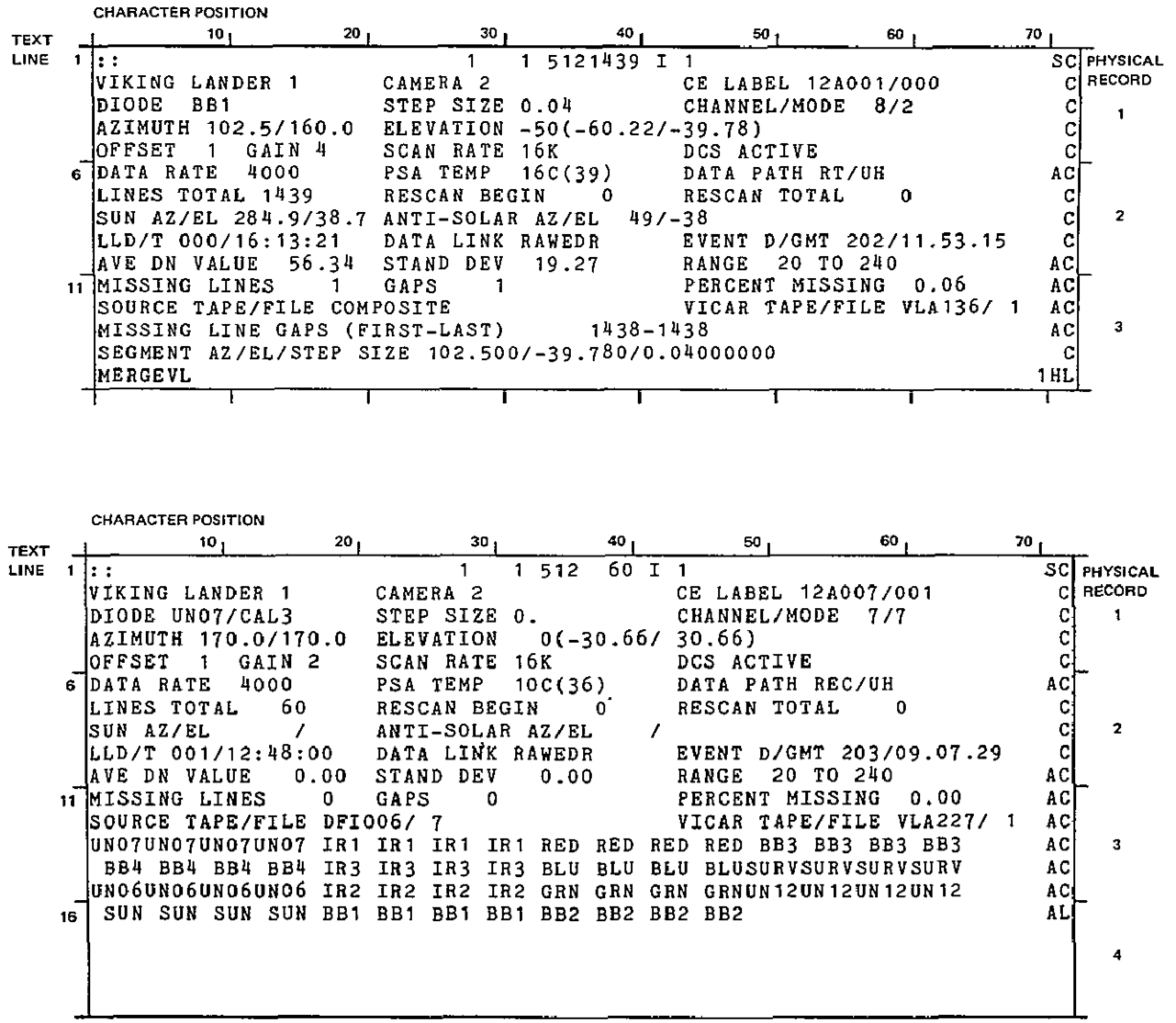


Figure 7.- VICAR label format.

exist the additional number pairs are indicated on subsequent text lines (6 pairs per text line). Calibration images list the diode used in each calibration scan as seen in the bottom part of figure 7. Where the number of label lines is not a multiple of five, the extra logical record positions are left blank. Note that the last character position (72) in each line contains a C (Continuation) for all lines except the final line which contains an L. Some lines contain the characters S, A, or H in position 71. These lines do not appear in the picture format seen on the 127-mm (5-in.) photographic products and microfiche.

The first line shown in the top part of figure 7 is flagged with an S in character position 71. It is called the VICAR system label and contains the vertical size (in pixels) of the image (512) in character positions 33 to 36, and the horizontal size of the image in positions 37 to 40. The I 1 appearing in positions 42 and 44, respectively, indicates that the data are single byte (8 bits) integer data. All characters are represented in the extended binary coded decimal interchange code (EBCDIC).

Pixel Data Records

The length of the image records is equal to the number of pixels in a horizontal image line. The image data have been changed from a 6-bit format to an 8-bit format by shifting the bits of each pixel two binary positions to the left and zero-filling the two rightmost bit positions. No operations have been applied to the tape data such as contrast enhancement, geometric correction, or radiometric correction.

MICROFICHE

All EDR images are distributed on 102- by 152-mm (4- by 6-in.) microfiche cards. Each card is capable of holding 60 image segments. The card contains 5 rows of 12 windows each. The segments of an image are positioned such that all its members appear together on a row. Thus, there may be unused window locations at the right end of the rows. The microfiche are produced by reducing the linear dimension of the image on a duplicate positive by a factor of about 10. The resulting image is about 11 mm wide by 8 mm high. This is placed in the upper half of an 11- by 16-mm window on the microfiche.

Microfiche viewing equipment commonly provides for magnification factors of 17, 21, or 24 resulting in an image about twice the size of the original strip contact photographic product.

LABELING

Most elements of the labels on EDR products are described in the section "Imaging Experiment Coordinate Systems, Terminology, and Labeling." One additional field exists, the source tape and file. It indicates where the corresponding SDR or ISDR data are stored. This data record is not distributed. The

field contains the word COMPOSITE when two data sources were merged to produce an EDR image. (See the section "Data Base Development.")

PHOTOGRAPHIC PRODUCT PROCUREMENT

The EDR photographic products are available from the National Space Science Data Center, Code 601.4, Goddard Space Flight Center, Greenbelt, Maryland 20771. An order form is included at the back of this report.

The primary identifier for the requisition of these photographic products is the Image Processing Laboratory picture identification. This identification and the project name (Viking) must be supplied when placing orders. The section "Selection of Camera Event Parameter Lists" describes the listings in VL-1 and VL-2 EDR's which cross-reference the camera event labels to IPL PIC ID's. Additional descriptive material may be helpful in indicating the item requested, such as the camera event label and the specification "Viking Lander EDR."

TEAM DATA RECORD

In addition to the VL-1 and VL-2 experiment data record which appears in the last two main sections of this report as the complete and primary record of the data, a team data record (TDR) of 127-mm (5-in.) photographic products also exists. (See ref. 4.) The TDR consists of those camera events from the EDR thought to be of most general interest. It excludes such things as specialized photometric series, calibration and scan verification events, and Sun imagery. The processing parameters for the camera events in the TDR have been individually chosen to create photographic products of the highest scientific quality. An asterisk following the diode code in the VL-1 and VL-2 camera event reports identifies those images for which a TDR version exists. For a given camera event, the TDR is, in general, segmented differently from the EDR. Therefore there is not a one-to-one correspondence in the scene coverage for the respective photographic products.

SELECTION OF CAMERA EVENT PARAMETER LISTS

The computer-generated CE parameter lists described in this section provide a detailed description of the conditions under which the camera event data were acquired, the completeness of the receipt of the data on Earth, and their storage location on photographic products and magnetic tape.

The data fields are primarily those described in the section "Imaging Experiment Coordinate Systems, Terminology, and Labeling." There is a comprehensive parameter list for each spacecraft and a selection of other lists which present only a limited amount of information but divide the camera events into a variety of classes and sequences. All camera events appear in camera-event order except those described in (2) and (3) in subset lists and IPL picture identifiers.

CAMERA EVENT REPORTS

The camera event reports are comprehensive presentations of the parameters for the camera events. The reports are presented with multiple-line item entries for each camera event, blocked in a manner to maximize readability. The primary line for each CE describes the time the camera event was executed, the camera command information, and the lighting conditions. This is followed by either one line (for singlets) or three lines (for triplets) of information about the image data stored for the CE. This line (or lines) is identified by the diode and indicates the number of data lines in the image, the completeness of it, pixel statistics, and information about its storage on magnetic tape and photographic products. The diode indicator is followed by an asterisk if the image has been used in the generation of the TDR. These parameters are followed by a short narrative description indicating the mission goal of the CE or its scene content, or both. The comments represent "scratch pad" type of entries and are not intended as a complete guide to the image contents. Comments attached to the early camera events generally characterize the landing sites.

SUBSET LISTS

There are 10 parameter subset lists which separate the camera events by diode, local lander time of the CE's, or other special classifications. These subsets are as follows:

(1) The "high-resolution camera events in event order" subset contains all broadband diode (BB1, BB2, BB3, BB4) CE's taken at the normal 0.04^{o} step size.

(2) The "high-resolution camera events sorted by time of day" subset groups the high-resolution images according to the hour of the sol during which they were acquired.

(3) The "high-resolution camera events sorted by elevation and start azimuth for segments of the day" subset provides for reviewing the high-resolution CE's based on their scene coverage and lighting conditions. The camera events of each camera are divided into four groups according to the time of day of the event: 0 to 1000, 1001 to 1400, 1401 to 1600, 1601 to 2439. Within these groups, they are sorted by elevation pointing angle (center) and by start azimuth within elevation pointing angle.

(4) The "survey camera events" subset contains all CE's which were acquired by using the survey diode at 0.12^{o} step size.

(5) The "visual color triplet camera events" subset shows all CE's using the three visual color diodes (RED, GRN, BLU) in triplet scan mode.

(6) The "infrared triplet camera events" subset is similar to those listed in (5) and contains all CE's using the three infrared diodes (IR3, IR2, IR1) in triplet scan mode.

(7) The "visual and IR singlet camera events" subset identifies all CE's acquired using any of the six diodes: RED, GRN, BLU, IR3, IR2, IR1 in singlet mode (MODE = 3) with a step size of 0.12° or 0.04° (nonnominal).

(8) The "Sun imagery camera events" subset identifies all images using the Sun diode. Note that this subset contains both nominal (0.12° step size) and nonnominal (0.04° step size) images. Most Sun imagery is done by using nonnominal commands.

(9) The "calibration and scan verification camera events" subset contains all calibration mode camera events and all scan verification camera events (BB1 at 0.12° step size) as described in the section "Photosensing and Data Acquisition."

(10) The "rescanning camera events" subset contains those camera events which contained 15 or more rescan lines.

IPL PICTURE IDENTIFIERS (EDR ORDER NUMBERS)

The lists of IPL picture (photograph) identifiers show the identification numbers for the experiment data record picture segments. These numbers are those to be used when requesting EDR photographic products from the National Space Science Data Center.

The photographic products for each diode image of triplet camera events are separately identified. Several IPL PIC ID's are listed for those images which have been segmented to facilitate film conversion.

ELEVATION COVERAGE CHARTS

The elevation coverage charts show the azimuth extent of camera events which have commanded vertical scans passing through 10° intervals of elevation. The elevation subgroups (40° to 30°, 30° to 20°, . . ., -50° to -60°) appear in high to low elevation order. There are separate charts for each camera. The entries are in camera-event order within each subgroup. Each entry lists the CE label, the LLT, and the diode type. The azimuth is shown in the CACCS system with the fiducial annotation appearing as it does on the CACCS scale of the skyline drawings. (See next section.)

SKYLINE DRAWINGS

The skyline drawings show image outlines on a rectilinear grid whose horizontal axis represents the azimuth of the camera scanning system and the vertical axis represents the elevation. The lander components are shown as they appear viewed from each camera.

The azimuth values indicated through the center of each camera view reference the CACCS. Azimuth values appearing above and below each camera view

reference the LACCS. It is important to note that these coordinate systems reference the camera axes of rotation which are tilted relative to the local gravity vector. (See figs. 5(c) and 5(d).) The N located at the top edge of each camera view indicates the direction of north for the 0° elevation position.

The diagram presented in figure 8 provides another view of the lander components which appear in the skyline drawings. Figure 8 shows the surface sampler boom in an extended position rather than the stored position (with the protective shroud in place) as seen in the skyline drawings. The S-band high-gain antenna shown in figure 8 is also oriented differently from that in the skyline drawings.

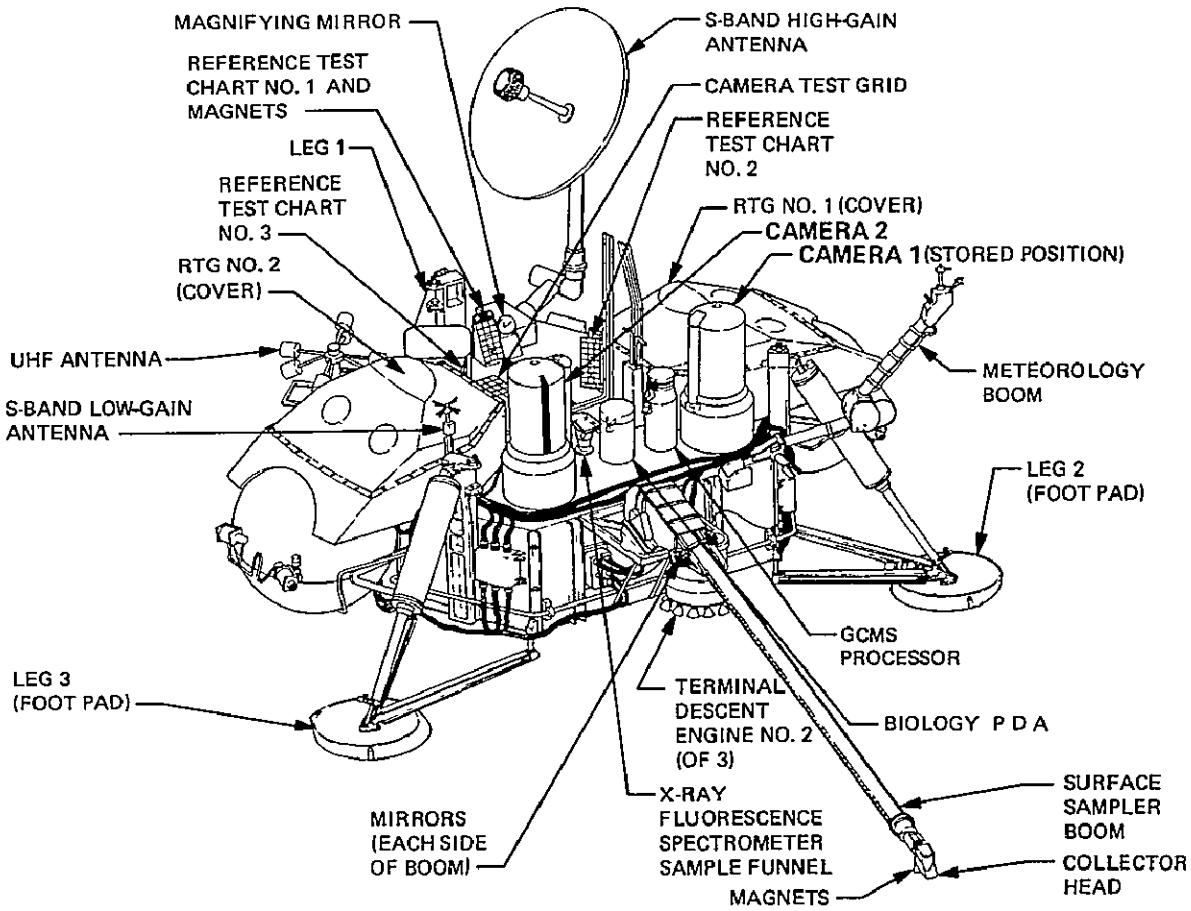


Figure 8.- Major lander components.

In most cases each pair of camera views show the camera events executed on one sol. In some cases more than one pair of views are used for a sol to avoid confusion when a large number of events were executed on one sol. Events executed during a period of several days appear together on drawings for the later (after sol 44) part of the VL-1 mission where the data return was reduced to accommodate VL-2.

VIKING LANDER EXPERIMENT DATA RECORD IMAGES FOR PRIMARY MISSION

The image displays present the images in the order in which they were acquired by each spacecraft. Each page contains eight display windows. These windows may include two or three EDR images; where segments of two successive camera events are small enough to be positioned as pairs in a window, this is done. Three images appear in a window only when they are image triplets and are sufficiently small. The images are combined in the windows only for the purpose of saving space in this report. The first and last camera events (or partial camera events) appearing on a page are indicated in the title at the top of the page.

The photographic quality of the original EDR images is significantly reduced because of the limitations of space and the halftone printing process. The need to reproduce several images on each page further reduces the opportunity to maximize the reproduction quality.

VIKING LANDER 1 EXPERIMENT DATA RECORD

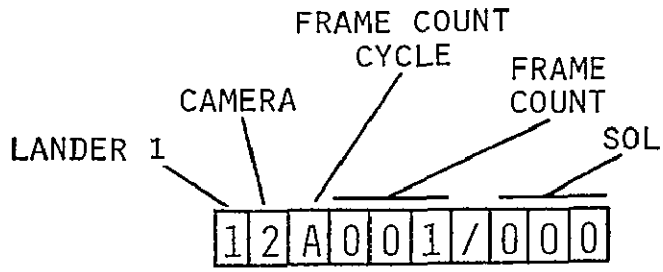
VIKING LANDER 1 EXPERIMENT DATA RECORD

This section contains the parameter lists, the skyline drawings, and the images for Viking Lander 1.

VL-1 PARAMETER LISTS

VL-1 PARAMETER LISTS

The organization of the VL-1 parameter lists which appear in this section is described in the section "Selection of Camera Event Parameter Lists," and each parameter has been explained previously. In all lists, the parameter entries for each camera event are preceded by the camera event label. The format of this label is shown in figure 9.



VL-1 SOL 000 = JULY 20, 1976

Figure 9.- Format of VL-1 camera event label.

VL-1 CAMERA EVENT REPORT

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VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
12A001/000	16:13 21	SINGLE	102 5/160 0	-50	.04	8/2	1	4	RT/UH	16K	16	284 9/38.7	49/-38	202/11.53.15	05:07.0	
		BB1 *	COMP 1438	0	0	1	1		56.34	19 27		DN0001/01	2			
		FIRST LANDER PICTURE, POORLY SORTED, PITTED, FLUTED, FACETED GRAVEL ON AND IN FINE SUBSTRATE. SHARP ELONGATE DEPRESSIONS MAY HAVE FORMED BY IMPACT OF PARTICLES MOVED BY DESCENT ENGINE BLAST. DARKER MATERIAL IN DEPRESSIONS VERTICAL LINES AT LEFT INTERPRETED TO RECORD SETTLING DUST.															
12A002/000	16 19:04	SINGLE	10 0/310.0	-10	.12	14/3	1	4	RT/UH	16K	18	285 2/37.0	50/-37	202/11 58.58	08:52.0	
		SURV *	COMP 2501	0	0	0	0		90.32	43.59		DN0001/02	4			
		FIRST SURVEY PANORAMA. NUMEROUS BLOCKS FROM NEAR FIELD TO HORIZON, LOW DRIFTS OR DUNES, MANY ROCKS SHOW COMPLEX FRACTURING WIND SCOUR DEPRESSIONS AROUND SOME BLOCKS, SHALLOW DEPRESSION SEEN OVER STROKE GAUGE														
12A003/001	07:47.59	SINGLE	80 0/140 0	-30	.04	0/2	1	4	REC/UH	16K	-10	73 2/30.0	197/-30	203/04 07·28	05:21.2	
		BB2 *	COMP 1502	1501	1	0	0		65.69	23.15		DN0001/03	2			
		FIRST HIGH RES OF SAMPLE SITE, GRAVEL PATCHES, SHARP ELONGATE DEPRESSIONS FROM PARTICLES THROWN UP BY LANDING, WIND TAILS														
12A004/001	10 36 27	SINGLE	132 5/150.0	-30	.12	14/3	1	4	RT/SB	250	0	78.5/66.6	203/-66	203/06 55:56	43·27.0	
		SURV *	COMP 189	147	43	1	1		114.28	28 99		DN0001/04	1			
		POSSIBLE OUTCROP OF LOWER ALBEDO ROCK BELOW HORIZON 43 LINES OF RESCAN REVEAL NO MOTION IN SCENE.														
12A005/001	12 35·59	SINGLE	305 0/310.0	-10	.12	14/3	1	4	REC/UH	16K	8	306 7/65.6	71/-85	203/08 55:28	00:10.1	
		SURV	COMP 41	0	0	2	1		117.26	58 95		DN0001/05	1			
		RADIOMETRIC CALIBRATION PICTURE OF RTC2. LIMITED VIEW OF FAR FIELD														
12A006/001	12.41.59	COLOR	80 0/147 5	-20	.12	1/1	1	5	REC/UH	16K	8	299 0/84.4	63/-84	203/09.01.28	06.01.2	D
		BLU *	COMP 563	0	0	1	1		56.87	22.85		DN0001/06	1			
		GRN *	COMP 562	0	0	2	1		58.93	19.48		DN0001/07	1			
		RED *	COMP 562	0	0	2	1		69.89	16 04		DN0001/08	1			
		FIRST COLOR PICTURE, INCLUDES SAMPLE SITE. LOWER ALBEDO OUTCROP IN FAR FIELD. LARGE BLOCKS ON HORIZON.														
12A007/001	12:48 00	SINGLE	170 0/170 0	0		7/7	1	2	REC/UH	16K	10	/	/	203/09·07.29	0:18.0	
		CAL	SDR 60	0	0	0	0		.00	.00		DN0001/09	1			
		CALIBRATION FRAME														
12A008/001	14 44·59	COLOR	305 0/310.0	-10	.12	1/1	1	5	REC/UH	16K	10	281.7/57.5	46/-57	203/11.04·28	00·27.9	
		BLU	ISDR 12	0000	0	2	1		89 51	43.85		DN0001/10	1			
		GRN	ISDR 12	0000	0	2	1		88 20	44.56		DN0001/11	1			
		RED	ISDR 12	0000	0	2	1		75.40	27 57		DN0001/12	1			
		SAME AS 12A005 BUT RTC2 IS IN SUNLIGHT														
12A009/001	15:50.28	SINGLE	80 0/160.0	-50	.04	8/2	1	4	RT/UH	16K	12	283.8/43.3	48/-43	203/12:09.57	06:35.5	
		BB1 *	ISDR 1853	0	0	148	1		76.65	31 03		DN0001/13	3			
		USABLE PART OF IMAGE EXTENDS FROM 95 TO 154 DEG CACCS. INCLUDES SAME AREA AS 12A001.														
12A010/002	07:18 00	SINGLE	65 0/155.0	-10	.04	5/2	1	4	REC/UH	16K	-15	71.7/23.7	195/-23	204/04 17:04	08:01.2	
		BB4 *	COMP 2252	2251	1	0	0		60.58	26.97		DN0001/14	3			
		BLOCKY FIELD WITH SMALL ISOLATED SEDIMENT DRIFTS. OUTCROP OF HIGHER ALBEDO ROCK THAT APPEARS FRACTURED, WIND TAILS COMMON. HIGH RES OF SAMPLE SITE.														

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VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
12A011/002	07:26 01	SINGLE	170.0/170.0	0		7/7	1	2	REC/UH	16K	-13	/	/	204/04:25:05	0:18.0	
		CAL	SDR 60	0	0	0	0		.00	.00		DN0001/15	1			
		CALIBRATION FRAME														
12A012/002	08.00 27	SINGLE	132 5/150 0	-30	.12	14/3	1	4	RT/SB	250	-12	74.2/32.8	197/-32	204/04:59:32	43:27.0	
		SURV *	COMP 188	147	43	2	1		90.08	34.18		DN0001/16	1			
		SAME AS 12A004														
12A013/002	10:29 50	SINGLE	147.5/155.0	-50	.04	8/2	1	4	REC/UH	16K	0	79 8/65.5	204/-65	204/07:28:54	03:21.2	
		BB1 *	ISDR 942	939	3	0	0		93.56	29.61		DN0001/17	2			
		MIRROR ON SURFACE SAMPLER IN UPPER LEFT IS LOOKING UNDER ENGINE, SOIL IN UPPER RIGHT WAS DISTURBED BY IMPACT OF SAMPLER SHROUD.														
12A014/002	13:06 00	SINGLE	295.0/305.0	-30	.04	8/2	1	4	REC/UH	16K	4	283.6/79.5	45/-79	204/10:05:04	00:54.6	D
		BB1	ISDR 250	0	0	1	1		77.19	57.85		DN0001/18	1			
		HI RES OF GRID ON LANDER TOP.														
12A016/003	09.10 27	SINGLE	125.0/132.5	-50	.04	8/2	1	4	RT/SB	250	-10	77 6/48.1	201/-48	205/06:49:07	44:27.0	
		BB1 *	ISDR 195	189	6	0	0		87.82	29.66		DN0002/01	1			
		VARIABLE FEATURES AREA NEAR FOOT PAD 3														
11A017/003	14:28·00	SINGLE	272.5/300.0	-20	.04	13/2	1	4	REC/UH	16K	2	280.4/61.5	219/-61	205/12:06:39	02:27.9	
		BB3 *	ISDR 690	689	1	0	0		113.54	24.95		DN0002/02	1			
		FIRST CAMERA 1 PICTURE, SAMPLE SITE														
11A018/003	14:32.00	SINGLE	10 0/310 0	-10	.12	14/3	1	4	REC/UH	16K	6	280.5/60.6	219/-60	205/12:10:39	08:54.5	
		SURV *	COMP 2499	0	0	2	1		127.75	50.33		DN0002/03	4			
		FIRST CAMERA 1 SURVEY PANORAMA. LOW DUNES OR DRIFTS, LARGE BOULDER IS 3M BY 1M HIGH AND 8M AWAY.														
11A019/003	14.40.54	SINGLE	170.0/170.0	0		7/7	1	2	REC/UH	16K	6	/	/	205/12:19:33	0:18.0	
		CAL	SDR 60	0	0	0	0		.00	.00		DN0002/04	1			
		CALIBRATION														
11A021/003	18.56 00	COLOR	57.5/ 57.5	10	.12	1/1	1	5	REC/UH	250	2	295.4/ 4 0	234/ -4	205/16:34:39	40:01.2	R
		BLU *	SDR 57	2	57	1	1		102.86	55.00		DN0002/05	1			
		GRN *	SDR 57	2	57	1	1		97.25	53.75		DN0002/06	1			
		RED	SDR 57	2	57	1	1		84.44	52.10		DN0002/07	1			
		TWILIGHT RESCAN IMAGE TO DETERMINE HEIGHT DEPENDENCE OF SIZE AND AMOUNT OF PARTICULATE MATERIAL IN THE ATMOSPHERE.														
11A022/004	07:11·59	SINGLE	235.0/277.5	-50	.04	8/2	1	4	REC/UH	16K	-17	71.4/22.5	11/-22	206/05:30:14	03:47.9	
		BB1 *	COMP 1065	1064	1	0	0		45.11	16.33		DN0002/08	2			
		FINE GRAINED MATERIAL OF DRIFT AT FOOTPAD 2 THE FOOTPAD SUNK INTO THE DRIFT AND BURIED AS FINE MATERIAL FLOWED OVER IT. THE MATERIAL IS SOMEWHAT COHESIVE FRACTURES FORMED AT THE SURFACE. SHARP DEPRESSIONS THAT RESEMBLE RABBIT TRACKS WERE PROBABLY MADE BY PARTICLES OR CLODS THROWN UP DURING DESCENT.														

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VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
11A023/004	07:23 59	SINGLE	270.0/305.0	-30	.04	0/2	1	4	REC/UH	16K	-15	72.1/25 0	12/-25	206/05:42:14	03:07.9	
		BB2 *	COMP 874	0	0	2	1		51.51	18.58		DN0002/09	1			
		ICL SAMPLE SITE. SMALL PATCHES APPEAR TO BE LAG GRAVEL DEPOSITS ON THE SURFACE. WIND TAILS ARE WELL SHOWN. SOME SMALL GROOVES AND DEPRESSIONS MAY HAVE BEEN PRODUCED ON LANDING. STEREO WITH 12A003.														
11A024/004	07:27:06	SINGLE	170 0/170.0	0		7/7	1	2	REC/UH	16K	-15	/	/	206/05.45:21	0 18.0	
		CAL	SDR 61	0	0	0	0		.00	.00		DN0002/10	1			
		CALIBRATION														
11A025/004	07:29:59	SINGLE	35.0/ 40.0	-20	.04	8/2	1	4	REC/UH	16K	-15	72.5/26.3	12/-26	206/05:48:14	00:27.9	
		BB1	SDR 128	126	2	0	0		67.91	42.09		DN0002/11	1			
		HI RES PICTURE OF REFERENCE TEST CHART 3, THE CAMERA 1 CHART.														
12A026/004	09.00:27	SINGLE	132 5/150 0	-30	.12	14/3	1	4	RT/SB	250	-8	77 3/45 9	201/-45	206/07:18:42	43:27.0	
		SURV *	COMP 163	147	45	29	1		102.25	30.37		DN0002/12	1			
		SAME AS 12A004/001														
12A027/004	12:47:59	SINGLE	310.0/335.0	-30	.12	14/3	1	5	REC/UH	16K	4	288.9/83.4	53/-83	206/11:06:14	00:45.7	D
		SURV	SDR 211	209	2	0	0		70.59	48.03		DN0002/13	1			
		VIEW OF LANDER TOP WITH PDA OF BIOLOGY AND XFRS. SOME BOULDERS SEEN ABOVE RTG1. PICTURE VERIFIES BIOLOGY PDA DEPLOYMENT.														
12A028/004	12:49:59	SINGLE	277.5/285.0	-10	.12	14/3	1	4	REC/UH	16K	4	288 0/82.9	55/-82	206/11:08:14	00:14.6	
		SURV	SDR 65	64	1	0	0		130 79	56.75		DN0002/14	1			
		LEG 1 STROKE GAUGE FOR LANDER TILT ESTIMATION.														
11A029/004	12:59:59	COLOR	275.0/307.5	-20	.12	1/1	1	5	REC/UH	16K	0	284.5/80.8	225/-80	206/11.18:14	02:54.6	
		BLU *	SDR 271	0	0	1	1		52.68	24 82		DN0002/15	1			
		GRN *	SDR 271	0	0	1	1		62.01	23.36		DN0002/16	1			
		RED *	SDR 270	0	0	2	1		70.41	18.67		DN0002/17	1			
		COLOR PICTURE POSSIBLE OUTCROP IN BACKGROUND														
11A030/004	15:45.16	SINGLE	260.0/340 0	-10	.04	13/2	1	4	RT/UH	16K	6	283.0/44.4	222/-44	206/14.03:31	06:35.5	
		BB3 *	COMP 1853	0	0	148	1		102 37	36.58		DN0002/18	0			
		BB3	ISDR 1851	0	0	150	2		102.37	36.58		DN0002/18	3			
		USABLE PART OF IMAGE BEGINS AT CACCS AZIMUTH OF ABOUT 310 SOME NOISY DATA BEGINS AT 293. PICTURE EXTENDS TO ABOUT CACCS AZIMUTH 359. VIEW OF POSSIBLE BEDROCK OUT TOWARD VW ROCK.														
12A031/005	08:10:27	SINGLE	125.0/132.5	-50	.04	8/2	1	4	RT/SB	250	-13	75.1/36.1	198/-32	207/07:08:17	44:27.0	
		BB1 *	ISDR 195	189	6	0	0		77.34	33.47		DN0002/19	1			
		LOOKING FOR CHANGES IN SCENE. SAME AS 12A016/002.														
11A032/005	10:46.41	SINGLE	277 5/302.5	0	.04	8/2	1	5	RT/SB	16K	-6	80.0/69.3	22/-66	207/09.44:31	02:14.6	
		BB1	SDR 627	626	1	0	0		68.11	24.11		DN0002/20	1			
		SURFACE SAMPLER COLLECTOR HEAD WITH BACKHOE MAGNET ARRAY SEEN IN THE DIRECT VIEW, THAT IS, THE BACK OF THE ARRAY. TAKEN BEFORE SAMPLING. MARS NOT IN FOCUS.														

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VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
12A033/005	11:53:59	IR	77.5/130 0	-30	.12	9/1	1	4	REC/UH	16K	2	69.6/84 0	203/-81	207/10:51.49	04:41.2	
		IR3	ISDR 437	0	0	2	1		95.17	19 60		DN0002/21	1			
		IR2	ISDR 437	0	0	2	1		93.75	19.68		DN0002/22	1			
		IR1	ISDR 436	0	0	3	1		110.58	22.83		DN0002/23	1			
		IR COLOR PICTURE, OVERLAPS WITH 12A006/001. BOOM LATCH PIN ON SURFACE AT LOWER LEFT.														
12A034/005	11:58 40	SINGLE	170 0/170.0	0		7/7	1	2	REC/UH	16K	4	/	/	207/10.56:30	0.18 0	
		CAL	SDR 61	0	0	0	0		.00	.00		DN0002/24	1			
		CALIBRATION FRAME														
12A035/005	12:29 59	IR	305 0/310.0	-10	.12	9/1	1	5	REC/UH	16K	4	311.2/86.9	143/-88	207/11:27·49	00:27.9	
		IR3	ISDR 42	0	0	1	1		63.94	27.13		DN0002/25	1			
		IR2	ISDR 42	0	0	1	1		63 99	26 69		DN0002/26	1			
		IR1	ISDR 41	0	0	2	1		67.85	26.23		DN0002/27	1			
		IR PICTURE OF RTC 2, CAMERA 2 RTC AND PART OF LANDERTOP.														
12A036/005	14:59 59	SINGLE	197.5/212 5	-10	.04	8/2	1	5	RT/SB	16K	6	281 2/54.3	43/-57	207/13:57.49	01:21.2	
		BB1	SDR 375	0	0	1	1		53.13	20.47		DN0002/28	1			
		COMMAND ANTENNA CHECK, OUT OF FOCUS														
11A037/005	15.43 10	SINGLE	182.5/242 5	-30	.04	0/2	1	4	RT/UH	16K	6	282 9/44.9	222/-47	207/14·41.00	06:35.5	
		BB2 *	ISDR 1793	1501	353	61	1		123.17	27.38		DN0002/29	3			
		WIND SCOUR DEPRESSIONS AROUND NEAR FIELD ROCKS. VESICULAR OR PITTED ROCK-COQUINOID APPEARANCE. SMALL SINUOUS SURFACE RIDGES. "SWASH MARKS" DARKER MATERIAL IN SCOUR DEPRESSIONS. SMALL SHARP PITS FROM PARTICLES THROWN UP AT LANDING. USABLE PART OF IMAGE FROM CACCS AZIMUTH 205 TO 242.5															
11A038/006	07:18 00	COLOR	15 0/ 40 0	-10	.12	1/1	1	5	REC/UH	16K	-13	71 8/23.8	11/-21	208/06.55.25	02.14.6	
		BLU *	SDR 209	0	0	0	0		82 57	54 45		DN0003/01	1			
		GRN *	SDR 208	0	0	1	1		78.69	44 57		DN0003/02	1			
		RED *	SDR 208	0	0	1	1		67.92	30 44		DN0003/03	1			
		COLOR PICTURE OF US FLAG TAKEN IN EARLY MORNING WITHSUN BEHIND. RTC3 IS PARTLY ILLUMINATED.														
12A039/006	07.24.27	SINGLE	125.0/132.5	-50	.04	8/2	1	4	RT/SB	250	-15	72.2/25.2	195/-22	208/07.01:53	44:27.0	
		BB1 *	COMP 187	189	6	8	1		61.68	24.63		DN0003/04	1			
		SAME AS 12A031.016 IN VARIABLE FEATURES SERIES														
11A040/006	12:00.00	COLOR	197.5/275 0	-30	.12	1/1	1	4	REC/UH	16K	0	64.7/85.3	18/-82	208/11:37:25	06:54.5	D
		BLU *	COMP 645	0	0	2	1		80.37	27.76		DN0003/05	1			
		GRN *	COMP 645	0	0	2	1		102 71	29.46		DN0003/06	1			
		RED *	COMP 645	0	0	2	1		134.78	31.11		DN0003/07	1			
		COLOR PICTURE OF DRIFT IN NEAR FIELD AND DRIFTS UP T														
11A041/006	12:20 00	SINGLE	.0/ 5.0	0	.12	8/3	1	4	REC/UH	16K	2	355.6/88.0	4/-87	208/11:57:25	00:10.1	
		BB1	SDR 41	0	0	2	1		84.93	70 77		DN0003/08	1			
		CAMERA 1 SCAN VERIFICATION.														

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VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
12A042/006	12 25.00	SINGLE	.0/ 5.0	0	.12	8/3	1	4	REC/UH	16K	2	328.2/87.6	173/-87	208/12:02:25	00:10.1	
		BB1	SDR 41	0	0	2	1		58.11	31 42		DN0003/09	1			
		CAMERA 2 SCAN VERIFICATION.														
12A043/006	12:30.00	SINGLE	305.0/310.0	-20	.04	8/2	1	4	REC/UH	16K	2	310.2/86.9	142/-88	208/12:07:25	00:27.9	D
		BB1	SDR 125	0	0	1	1		48.45	19.72		DN0003/10	1			
		RTC 2 FOR RADIOMETRIC CALIBRATION.														
12A044/006	12:35 00	SINGLE	0/ 5.0	0	.12	8/3	1	4	REC/UH	16K	2	300 0/86.0	101/-88	208/12.12:25	00:10.1	
		BB1	SDR 41	0	0	2	1		58.59	31.50		DN0003/11	1			
		CAMERA 2 SCAN VER AFTER DUSTING														
12A045/006	15:40.53	COLOR	80.0/147 5	-20	.12	1/1	1	4	RT/UH	16K	8	282.7/45.3	45/-48	208/15.18:19	06:35.5	
		BLU *	COMP 616	565	53	1	1		90.49	50 52		DN0003/12	1			
		GRN *	COMP 617	565	53	0	0		92.27	44.88		DN0003/13	1			
		RED *	COMP 616	565	53	1	1		105.28	39.13		DN0003/14	1			
		COLOR PICTURE OF AREA IN 12A006/001. USABLE PART IS FROM ABOUT 30 TO 68 DEGREES CACCS AZIMUTH. RESCAN														
11A046/006	17:54:00	SINGLE	32.5/ 67.5	10	.12	4/3	0	4	REC/UH	16K	4	290 4/16.7	229/-19	208/17:31:25	01:03.5	
		SUN	ISDR 294	293	1	0	0		27.00	.44		DN0003/15	1			
		SOLAR EXTINCTION STUDIES AT LOW SUN ELEV.														
11A047/007	07 06 00	SINGLE	172.5/205 0	10	.12	4/3	0	4	REC/UH	16K	-17	71 1/21.3	11/-18	209/07:23:00	00:59.0	
		SUN	ISDR 273	272	1	0	0		27 00	.12		DN0003/16	1			
		SOLAR EXTINCTION STUDIES														
11A048/007	07.12.00	SINGLE	240.0/270 0	-30	.04	0/2	1	4	REC/UH	16K	-17	71 5/22.5	11/-20	209/07:29:00	02:41.2	
		BB2 *	SDR 752	751	1	0	0		42.41	15.56		DN0003/17	1			
		ADJACENT TO NEAR DRIFT. SMALL WIND TAILS. SURFACE SAMPLER COLLECTOR HEAD IN LOWER RIGHT.														
11A049/007	07:14.41	SINGLE	170.0/170 0	0		15/7	1	2	REC/UH	16K	-15	/	/	209/07:31:41	0:18.0	
		CAL	SDR 61	0	0	0	0		.00	.00		DN0003/18	1			
		CALIBRATION														
12A050/007	11:36:27	SINGLE	20.0/ 37 5	-30	.12	14/3	1	4	RT/SB	250	0	76 7/80.3	205/-77	209/11:53.28	43:27.0	
		SURV *	ISDR 190	147	45	2	1		114.65	47.29		DN0003/19	1			
		SURFACE SAMPLER COLLECTOR HEAD AGAINST MARTIAL SURFACE. BACKGROUND.														
11A051/007	15.38.25	SINGLE	200 0/260.0	-50	.04	8/2	1	4	RT/UH	16K	8	282 6/45.8	222/-48	209/15:55:26	06:35.5	
		BB1 *	ISDR 111	0	0	203	2		75.33	48 64		DN0003/20	3			
		USABLE DATA FROM CACCS AZIMUTH 235 TO 274 NEARFIELD OF FINES WITH A LARGE PART IN LANDER SHADO														
		W. PITS IN SOIL FROM MATERIAL THROWN OUT ON LANDING.														
11A052/007	17.41:59	SINGLE	207.5/217.5	-30	.04	0/2	1	4	REC/UH	16K	4	289.5/19.2	229/-22	209/17:59.00	00:54.6	D
		BB2 *	SDR 252	251	1	0	0		41.13	21.59		DN0003/21	1			
		SITE OF FIRST SAMPLE.IN LANDER SHADOW. UPPER THIRD USABLE.														

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CE LABEL.	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
11A053/008	17:42 53	SINGLE	170 0/170.0	0		15/7	1	2	REC/UH	16K	4	/	/	209/17:59:54	0:18.0	
		CAL	SDR	61	0 0	0	0		.00	.00		DN0003/22	1			
		CALIBRATION														
12A054/007	17:44 59	SINGLE	22.5/ 32.5	-20	.04	13/2	1	4	REC/UH	16K	6	289.7/18.5	52/-21	209/18:02:00	00:54.6	D
		BB3 *	SDR	252	251 1	0	0		64.64	28.44		DN0003/23	1			
		DIRECT VIEW OF BACK OF BACKHOE MAGNET ARRAY BEFORE SAMPLING. FINE SOIL AND ROCKS IN BACKGROUND.														
11A055/008	06:47 59	SINGLE	207.5/217.5	-30	.04	0/2	1	4	REC/UH	16K	-19	69.9/17.5	9/-15	210/07:44:35	00:54.6	
		BB2 *	SDR	253	251 2	0	0		35.63	7.00		DN0003/24	1			
		SAMPLE SITE BEFORE THE FIRST TRENCH. SWASH-MARK-LIKE SINUOUS FEATURES ON DRIFT NEAR LANDER.														
12A056/008	06:49.59	SINGLE	22.5/ 32.5	-20	.04	13/2	1	4	REC/UH	16K	-17	70.1/17.9	193/-15	210/07:46:35	00:54.6	
		BB3 *	SDR	253	251 2	0	0		35.45	12.24		DN0003/25	1			
		SAME AREA AS 11A055. FOR STEREO OF SAMPLE SITE.														
11A057/008	07:20 57	SINGLE	7.5/ 37.5	-20	.12	14/3	1	4	REC/UH	16K	-17	72.1/24.5	12/-21	210/08:17:33	00:54.6	
		SURV *	SDR	252	251 1	0	0		102.81	67.45		DN0003/26	1			
		GCMS PDA DEPLOYED. RTG2 WITH US FLAG AND HORIZON IN BACKGROUND.														
11A058/008	08.48 59	SINGLE	207.5/217.5	-30	.04	0/2	1	4	REC/UH	16K	-12	77.0/43.5	17/-40	210/09:45:35	00:54.6	
		BB2 *	COMP	249	0 0	2	1		76.67	19.41		DN0003/27	1			
		SAMPLE AREA AFTER BIOLOGY SAMPLE TAKEN														
12A059/008	08:50 59	SINGLE	22.5/ 32.5	-20	.04	13/2	1	4	REC/UH	16K	-10	77 1/43.9	201/-41	210/09.47:35	00:54.6	
		BB3 *	SDR	253	251 2	0	0		80.24	35.30		DN0003/28	1			
		SAME AS 11A058 FOR STEREO														
11A060/008	10:49 52	SINGLE	210.0/217.5	10	.04	0/2	1	4	REC/UH	16K	-6	80.3/70 1	22/-67	210/11:46:28	00:41.2	
		BB2	SDR	190	189 1	0	0		201.54	45.72		DN0003/29	1			
		ACQUISITION OF FOURTH SAMPLE.														
12A061/008	11·49.00	SINGLE	310.0/335.0	-30	.12	14/3	1	5	REC/UH	16K	0	73.0/83.1	204/-80	210/12:45:36	00:45.7	
		SURV	SDR	211	209 2	0	0		56.86	34.53		DN0003/30	1			
		SURFACE SAMPLER COLLECTOR HEAD IN POSITION AFTER DUMPING SAMPLE INTO THE XRFS PDA DIRECTLY BELOW. SOME FINE MATERIAL HAS SPILLED ONTO THE LANDER TOP.														
12A062/008	12:06 59	COLOR	22.5/ 32 5	-30	.12	1/1	1	4	REC/UH	16K	2	54 0/86.8	200/-84	210/13:03:35	00:54.6	
		BLU *	SDR	84	0 0	0	0		94.23	47.54		DN0003/31	1			
		GRN *	SDR	83	0 0	1	1		94.55	46.94		DN0003/32	1			
		RED *	SDR	83	0 0	1	1		107.30	54.35		DN0003/33	1			
		COLOR PICTURE OF FIRST SAMPLE SITE TO LOOK AT SOIL COLOR IN TRENCH.														
12A063/008	12.07.53	SINGLE	170.0/170.0	0		15/7	1	2	REC/UH	16K	2	/	/	210/13:04:29	0:18.0	
		CAL	SDR	61	0 0	0	0		.00	.00		DN0003/34	1			
		CALIBRATION														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS			AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
12A064/008	12:12.27	SINGLE	20.0/ 37.5	-30	.12	14/3	1	4	RT/SB	250	2	36.6/87.6	197/-85	210/13:09:03	43·27.0	
		SURV *	ISDR 192	147	48	3	1		99.98	51.05		DN0003/35	1			
		SURVEY PICTURE OF TRENCH. RESCAN.														
11A065/008	14:19 59	SINGLE	207 5/217.5	-30	.04	0/2	1	4	REC/UH	16K	·2	279 9/63 0	218/-66	210/15:16:35	00.54.6	
		BB2 *	SDR 253	251	2	0	0		127.27	18.43		DN0003/36	1			
		TRENCH AFTER GCMS AND XFRS SAMPLING. MET.BOOM SHADOW														
11A066/008	14:23 59	SINGLE	260.0/275.0	0	.04	5/2	1	4	REC/UH	16K	2	280 0/62.1	219/-65	210/15:20:35	01:21.2	
		BB4 *	ISDR 378	376	2	0	0		136.95	26.19		DN0003/37	1			
		LARGE BOULDERS ON HORIZON. SKYLINE PROMINENCE.														
11A067/008	15:35.42	SINGLE	225 0/305 0	-30	.04	0/2	1	4	RT/UH	16K	6	282 4/46.4	221/-49	210/16·32:18	06:35.5	
		BB2 *	COMP 1763	0	0	238	2		111.73	32 76		DN0003/38	3			
		USEFUL PART OF IMAGE EXTENDS FROM 260 TO 299 CACCS AZIMUTH. SCATTERED ROCKS WITH WIND TAILS. GRAVEL PATCHES. SOME DEPRESSIONS PRODUCED ON LANDING.														
12A068/009	10.59.59	SINGLE	295.0/305.0	-30	.04	8/2	1	5	REC/UH	16K	-2	80.3/72.4	206/-69	211/12:36.10	00:54.6	
		BB1	SDR 253·	251	2	0	0		67.62	29 00		DN0004/01	1			
		GRID ON LANDER TOP														
11A069/009	15:32 54	SINGLE	145.0/225 0	-30	.04	0/2	1	4	RT/UH	16K	-12	282.3/46.9	221/-49	211/17:09·05	06·35.5	
		BB2 *	ISDR 1734	0	0	267	6		109.70	43 94		DN0004/02	3			
		TRENCH PICTURE TAKEN TO DETERMINE DOWNWIND TRANSPORT OF PARTICLES SPILLED FROM SAMPLE HEAD FRACTURES ON GENERAL SURFACE OF NEAR FIELD DRIFT SHOWN. USABLE IMAGE FROM ABOUT 180 TO 215 AZIMUTH (CACCS).														
12A070/010	10:10·27	SINGLE	110.0/117 5	-40	.04	8/2	1	4	RT/SB	250	-4	80 1/61.5	204/-58	212/12:26.14	44 27.0	
		BB1 *	ISDR 195	189	6	0	0		102.49	26.92		DN0004/03	1			
		SECOND VARIABLE FEATURES SEQUENCE. FINE MATERIAL BETWEEN LARGER ROCKS. SOME DESCENT PRODUCED DEPRESSIONS														
12A071/010	12:39 00	COLOR	147.5/187 5	-20	.12	1/1	1	4	REC/UH	16K	6	292 1/65.1	68/-88	212/14:54:46	03:34.6	
		BLU *	SDR 334	0	0	0	0		110.06	55 22		DN0004/04	1			
		GRN *	SDR 333	0	0	1	1		112.68	51.16		DN0004/05	1			
		RED *	SDR 333	0	0	1	1		128.92	46 36		DN0004/06	1			
		COLOR PICTURE OF BLOCKY PART OF SCENE. STROKE GAUGE 3 IN CENTER.														
12A072/010	12:42·34	SINGLE	170 0/170.0	0		7/7	1	2	REC/UH	16K	8	/	/	212/14.58:20	0·18.0	
		CAL	SDR 60	0	0	0	0		.00	.00		DN0004/07	1			
		CALIBRATION														
12A073/010	12.45.00	COLOR	305.0/310.0	-10	.12	1/1	1	4	REC/UH	16K	8	288.0/83.8	55/-86	212/15.00:46	00:27.9	
		BLU	SDR 41	0	0	2	1		128.57	69.26		DN0004/08	1			
		GRN	SDR 41	0	0	2	1		120.61	64.04		DN0004/09	1			
		RED	SDR 41	0	0	2	1		127.90	67.88		DN0004/10	1			
		RTC2, CAMERA 2 RTC. SHOULD BE IN BRIGHT SUN BUT APPEARS TO BE SHADED BY HGA. COLOR CALIBRATION.														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
12A074/010	15:29.55	COLOR	5.0/ 85.0		-10 .12	1/1	1	5	RT/UH	16K	18	282.1/47 5	44/-50	212/17:45:42	06:35.5	
		BLU *	COMP	595	0 0	73	2		78 94	44.69		DN0004/11	1			
		GRN *	COMP	596	0 0	72	2		78 07	44.64		DN0004/12	1			
		RED *	COMP	596	0 0	72	2		79.95	42.98		DN0004/13	1			
		REAL TIME COLOR. USABLE FROM 40 TO 80 CACCS AZIMUTH.														
12A075/011	12:00 00	SINGLE	.0/ 5 0		0 .12	8/3	1	4	REC/UH	16K	2	66 0/85 6	203/-83	213/14·55·21	00:10.1	
		BB1	SDR	44	43 1	0	0		52.67	30.16		DN0004/14	1			
		CAMERA 2 SCAN VER BEFORE DUSTING.														
12A076/011	12.04:59	SINGLE	.0/ 5.0		0 .12	8/3	1	4	REC/UH	16K	4	58 7/86 6	202/-84	213/15.00·21	00:10.1	D
		BB1	SDR	44	43 1	0	0		52.86	30.36		DN0004/15	1			
		CAMERA 2 SCAN VER AFTER DUSTING														
11A077/011	15:26 46	SINGLE	180.0/260 0		-10 .04	5/2	1	4	RT/UH	16K	6	261 9/48 2	221/-51	213/18:22.08	06:35.5	
		BB4 *	COMP	1809	0 0	192	2		134 31	27.77		DN0004/16	3			
		HI RES OUT TO HORIZON USABLE FROM 205 TO 254 DEG CACCS AZIMUTH. DRIFT AREA OVER TO POSSIBLE OUTCROP														
11A078/012	08:24·59	SINGLE	150.0/250.0		-30 04	0/2	1	4	REC/UH	16K	-10	76 0/38 4	16/-35	214/11.59.56	08.54.5	
		BB2 *	COMP	2498	0 0	3	2		67 16	20 71		DN0004/17	4			
		GOOD IMAGE OF ROCKS WITH MOATS NEAR TRENCH. TRENCH AND MATERIAL SPILLED FROM SAMPLE HEAD IMAGED. CRACKS IN SURFACE NEAR TRENCH														
11A079/012	08:34 59	SINGLE	182 5/235 0		-50 .04	8/2	1	4	REC/UH	16K	-10	76 5/40.6	17/-38	214/12.09 56	04:41.2	
		BB1 *	ISDR	1319	1314 6	1	1		73 30	30.00		DN0004/18	2			
		FOOTPAD 2 IS BURIED BENEATH FINES OF SMALL DRIFT UPON WHICH IT DESCENDED. SOME COHESION OF MATERIAL IS INDICATED BY THE SMALL SCARP IN THE SOIL ABOVE THE FOOTPAD. SOME OF THE SURFACE PITS WERE FORMED AT LANDING, BUT MOST ARE FROM SPILLED SOIL OF SAMPLER.														
12A080/012	10.00 27	SINGLE	22.5/ 30.0		-20 .04	13/2	1	4	RT/SB	250	-2	80.0/59.4	204/-56	214/13:35.24	44·27.0	
		BB3 *	ISDR	193	189 10	6	1		100.19	32.99		DN0004/19	1			
		TRENCH AREA OVER SURFACE SAMPLE HOUSING														
12A081/012	15:36·22	SINGLE	60.0/160 0		-50 .04	8/2	1	4	RT/UH	16K	12	282.2/46 4	44/-49	214/19:11·19	06·35.5	
		BB1 *	ISDR	1978	0 0	23	1		93 63	36.44		DN0004/20	3			
		FRACTURED FLAT SURFACE BENEATH FORWARD ENGINE APPARENTLY SWEPT OF FINES BY ENGINE BLAST. SURFACE SAMPLER ARM BOOM LATCH PIN AT LOWER EDGE.														
11A083/012	17.36·59	SINGLE	47.5/ 52.5		30 .04	4/2	1	2	REC/UH	16K	6	289 1/19.9	228/-22	214/21:11·56	00:27.9	D
		SUN	ISDR	127	126 1	0	0		31.34	3.57		DN0004/21	1			
		SOLAR EXTINCTION SERIES														
11A084/012	18.23.59	SINGLE	50.0/ 55.0		20 .04	4/2	1	2	REC/UH	16K	6	292.5/10.1	232/-13	214/21:58:56	00:27.9	
		SUN	ISDR	126	126 1	1	1		31.04	1.07		DN0004/22	1			
		SOLAR EXTINCTION SERIES.														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS			AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
11A085/012	18:47.59	SINGLE	52.5/ 57.5	10	.04	4/2	1	2	REC/UH	16K	4	294.5/ 5.2	234/ -8	214/22:22:56	00:27.9	
		SUN	ISDR 127	126	1	0	0		30.19	1.61		DN0004/23	1			
		SOLAR EXTINCTION SERIES.														
11A086/012	18.58.59	SINGLE	52 5/ 57.5	10	.04	4/2	1	2	REC/UH	16K	4	295.5/ 2.9	234/ -5	214/22.33:56	00:27.9	
		SUN	SDR 128	126	2	0	0		31.00	.05		DN0004/24	1			
		SOLAR EXTINCTION SERIES.														
11A087/013	05:35.59	SINGLE	180.0/185 0	10	.04	4/2	1	2	REC/UH	16K	-17	64.5/ 8.5	3/ -0	215/09:50:31	00.27.9	
		SUN	ISDR 128	126	2	0	0		32.10	1.78		DN0005/01	1			
		SOLAR EXTINCTION SERIES.														
11A088/013	05:47 59	SINGLE	182.5/187.5	10	.04	4/2	1	2	REC/UH	16K	-17	65.5/ 5.2	5/ -2	215/10:02:31	00:27.9	
		SUN	SDR 128	126	2	0	0		32.62	1.99		DN0005/02	1			
		SOLAR EXTINCTION SERIES.														
11A089/013	06:11.59	SINGLE	185.0/190.0	20	.04	4/2	1	2	REC/UH	16K	-17	67.5/10.1	7/ -7	215/10:26:31	00:27.9	
		SUN	ISDR 127	126	1	0	0		32.20	1.95		DN0005/03	1			
		SOLAR EXTINCTION SERIES.														
11A090/013	06:59 59	SINGLE	187.5/192 5	30	.04	4/2	1	2	REC/UH	16K	-15	71.0/20 2	11/-17	215/11:14:31	00:27.9	
		SUN	SDR 127	126	1	0	0		32.56	3.06		DN0005/04	1			
		SOLAR EXTINCTION SERIES.														
11A091/013	07:29.59	IR	35.0/ 40.0	-10	.12	9/1	1	4	REC/UH	16K	-15	73.0/26.6	13/-24	215/11:44:31	00:27.9	
		IR3	ISDR 42	0	0	1	1		66.95	28.77		DN0005/05	1			
		IR2	ISDR 41	0	0	2	1		70.03	30.78		DN0005/06	1			
		IR1	ISDR 41	0	0	2	1		77.89	35.18		DN0005/07	1			
		IR PICTURE OF RTG3. THE CAM 1 RTG.														
12A092/013	09:06.27	SINGLE	132.5/150.0	-30	.12	14/3	1	4	RT/SB	250	-8	78.1/47 5	202/-44	215/13:20:59	43:27.0	
		SURV *	SDR 188	147	43	2	1		103.97	30.19		DN0005/08	1			
		POSSIBLE OUTCROP BELOW HORIZON. 43 LINES OF RESCAN.														
11A093/013	11:53:59	IR	205 0/280 0	-30	.12	9/1	1	4	REC/UH	16K	0	71.5/84.5	21/-81	215/16:08:31	06:41.2	D
		IR1 *	COMP 624	0	0	2	1		121.42	26.32		DN0005/11	1			
		IR3	ISDR 624	0	0	2	1		101.68	24.08		DN0005/09	1			
		IR2	ISDR 624	0	0	2	1		105.23	24.70		DN0005/10	1			
		IR IMAGE OF SAMPLE SITE. INCLUDES TRENCH														
11A094/013	11:60.42	SINGLE	170 0/170.0	0		7/7	1	2	REC/UH	16K	0	/	/	215/16:15:12	0:18.0	
		CAL	SDR 61	0	0	0	0		.00	.00		DN0005/12	1			
		CALIBRATION														
11A095/013	13:23.59	SINGLE	15 0/ 35.0	-20	.12	14/3	1	5	REC/UH	16K	4	279.6/75.2	218/-78	215/17:38:31	00:36.8	
		SURV *	ISDR 166	0	0	2	1		68.37	38.20		DN0005/13	1			
		GCMS PDA DEPLOYED, RTG2 WITH US FLAG AND HORIZON IN BACKGROUND.														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE	# OF EDR SEGMENTS						
11A096/014	06:56:20	SINGLE	15.0/ 35.0	-20	.12	14/3	1	3	REC/UH	16K	-15	70 9/19.5	10/-16	216/11:50:27	00:36.8	
		SURV	SDR 169	168	1	0	0		110.42	69.53		DN0005/14	1			
		UNSUCCESFUL ATTEMPT TO IMAGE COLLECTOR HEAD OVER GCMS PDA														
11A097/014	07:30.00	SINGLE	132 5/252.5	-10	.04	13/2	1	4	REC/UH	16K	-15	73.0/26.6	13/-24	216/12.24:07	10:41.2	
		BB3 *	COMP 2999	0	0	2	1		66.75	38.87		DN0005/15	4			
		SCENE OF DRIFTS AND BIG JOE. APPARENT LAYERS OR RIPPLES WELL DISPLAYED.														
11A098/014	10:10:27	SINGLE	212.5/220.0	-30	.04	0/2	1	4	RT/SB	250	-4	80.5/61.7	21/-58	216/15:04:35	44:27.0	
		BB2 *	ISDR 195	189	6	0	0		96.94	31.43		DN0005/16	1			
		SECOND DIG AT TRENCH SITE.														
11A099/014	13:24:00	SINGLE	15.0/ 35.0	-20	.12	14/3	1	5	REC/UH	16K	4	279.4/88.2	15/-86	216/18:18:07	00:38.8	
		SURV *	ISDR 178	168	11	1	1		67.60	37.67		DN0005/17	1			
		GCMS PDA AFTER SAMPLE DELIVERY														
11A100/015	07:30.00	SINGLE	260.0/262.5	-50	.04	8/2	1	3	REC/UH	16K	-15	73.1/26.7	13/-24	217/13:03:42	00:16.6	
		BB1	ISDR 74	64	10	0	0		91.88	28.86		DN0005/18	1			
		HI RES OF DISTURBED SOIL NEAR S/C														
12A101/015	13:40:00	SINGLE	285.0/290.0	-20	.04	8/2	1	4	REC/UH	16K	6	278.8/71.5	40/-74	217/19:13:42	00:29.9	
		BB1	SDR 137	126	11	0	0		98.25	49.99		DN0005/19	1			
		RTC MAGNET WITH MAGNETIC MATERIAL ADHERING TO FORM A BULLS EYE PATTERN														
12A102/015	13:43:00	SINGLE	80 0/100 0	-40	.04	8/2	1	4	REC/UH	16K	6	278.8/70.9	40/-73	217/19:16:42	01:49.9	
		BB1 *	SDR 512	501	11	0	0		120.81	22.99		DN0005/20	1			
		SITE OF SAMPLE DUMP														
12A103/016	07:29:59	SINGLE	112 5/160 0	-50	.04	8/2	1	3	REC/UH	16K	-12	73 2/26.7	196/-23	218/13:43:17	04:16.5	
		BB1 *	ISDR 1200	1189	11	0	0		101.52	39.71		DN0005/21	2			
		AREA NEAR FOOTPAD 3 SMALL PEBBLES AND ROCKS														
12A104/016	09:00:27	SINGLE	110.0/117.5	-40	.04	8/2	1	4	RT/SB	250	-6	78.1/46.3	202/-43	218/15:13:45	44:27.0	
		BB1 *	ISDR 197	189	11	3	1		89.86	28.02		DN0005/22	1			
		SAMPLE SITE AREA														
11A105/017	07:29:59	SINGLE	215 0/230 0	0	.12	14/3	1	4	REC/UH	16K	-15	73.2/26.7	13/-24	219/14:22:52	00:29.9	
		SURV	SDR 137	126	11	0	0		57.32	39.40		DN0005/23	1			
		PICTURE OF EXTENDED SAMPLE ARM WITH HEAD														
12A106/017	10:00.27	SINGLE	32.5/ 57.5	-10	.12	14/3	1	4	RT/SB	250	-2	80.5/59.6	205/-56	219/16:53:20	43:27.0	
		SURV *	ISDR 183	0	0	26	2		128.25	62.98		DN0005/24	1			
		EXTENDED BOOM OF SURFACE SAMPLER														
12A107/018	07:30.00	SINGLE	155.0/207.5	-10	.04	13/2	1	4	REC/UH	16K	-13	74.8/26.7	196/-24	220/15:02:28	04:43.2	
		BB3 *	ISDR 1322	1314	8	0	0		100.85	24.10		DN0005/25	2			
		HI RES OF NEAR FIELD ROCKS. NEAR ZERO PHASE ANGLE APPEARS TO ENHANCE SHADING VARIATIONS.														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE	# OF EDR SEGMENTS						
12A108/018	07:40:00	SINGLE	142.5/167.5	-30	.04	0/2	1	4	REC/UH	16K	-12	73.9/28.9	197/-26	220/15:12:28	02:16.6	
		BB2 *	ISDR 637	626	11	0	0		84.61	34.98		DN0005/26	1			
		SURFACE NEAR FOOTPAD 3 WITH PEBBLY OR GRAVELY APPEARANCE														
12A109/018	12:10:27	SINGLE	295.0/302.5	-30	.04	8/2	1	5	RT/SB	250	4	43.4/88.0	203/-85	220/19:42:56	43:27.0	
		BB1	ISDR 190	189	1	0	0		71.46	34.26		DN0005/27	1			
		GRID ON LANDER TOP.														
12A110/019	07:12 00	SINGLE	265 0/310.0	-10	.04	13/2	1	4	REC/UH	16K	-13	72.2/22.9	195/-20	221/15:24:03	04:03.2	
		BB3 *	ISDR 1137	1126	11	0	0		61.94	40.32		DN0005/28	2			
		EARLY MORNING NEAR FIELD														
11A111/019	07:20:00	SINGLE	40.0/ 60.0	-10	.04	13/2	1	4	REC/UH	16K	-15	72.7/24 6	12/-22	221/15:32:03	01:49.9	
		BB3 *	ISDR 512	501	11	0	0		80.18	31.20		DN0005/29	1			
		SURFACE OVER SEISMOMETER. FINES AND ROCKS.														
12A112/019	07:59:00	SINGLE	15.0/ 90.0	0	.04	5/2	1	4	REC/UH	16K	-10	75.1/33.0	198/-30	221/16:11:03	06:43.2	
		BB4 *	ISDR 1884	1876	8	0	0		103.73	66.00		DN0005/30	3			
		EARLY MORNING VIEW OF HORIZON AND PART OF DRIFT FIELD.														
12A113/019	08:48:27	SINGLE	32.5/ 57.5	-10	.12	14/3	1	4	RT/SB	250	-6	77.7/43 8	201/-41	221/17:00:31	43.27.0	
		SURV *	ISDR 199	0	0	10	2		84.46	41.62		DN0005/31	1			
		CHECK ON SAMPLE ARM EXTENSION.														
11A114/019	15:17.02	SINGLE	190.0/322.5	-30	.04	0/2	1	4	RT/UH	16K	8	280 9/49.9	220/-52	221/23:29:06	11:46.0	
		BB2 *	ISDR 3308	0	0	6	1		109.53	34.15		DN0005/32	5			
		HIGH QUALITY IMAGE OF NEAR FIELD SHOWS PITTED ROCK WITH MOAT AND TWO TRENCHES.														
11A115/019	15:49:01	SINGLE	182.5/195.0	-50	.04	8/2	1	4	RT/UH	16K	8	282.4/42.9	221/-45	222/00:01:04	01:01.0	
		BB1	ISDR 284	0	0	30	1		35.73	13.61		DN0005/33	1			
		UPPER PART OF LEG 2														
12A116/020	07:53:59	SINGLE	90 0/217.5	0	.04	5/2	1	4	REC/UH	16K	-12	74 9/31.9	198/-29	222/16:45:38	11:23.2	
		BB4 *	ISDR 3197	3189	8	0	0		122.27	31.95		DN0006/01	5			
		EARLY MORNING VIEW TO HORIZON. LOW PHASE ANGLE.IN MOST OF PICTURE.														
11A117/020	08:46 27	COLOR	212.5/220.0	-30	.12	1/1	1	4	RT/SB	250	-12	77.7/43.3	18/-40	222/17:38:06	44:27.0	
		BLU *	SDR 62	0	0	2	1		55.32	16.78		DN0006/02	1			
		GRN *	SDR 62	0	0	2	1		68.64	21.43		DN0006/03	1			
		RED *	SDR 62	0	0	2	1		87.93	28.63		DN0006/04	1			
		COLOR OF TRENCH. SURFACE SAMPLER COLLECTOR HEAD.														
11A118/020	14:49:59	SINGLE	217.5/227.5	0	.04	8/2	1	5	REC/UH	16K	6	279.7/55.9	218/-58	222/23:41:38	00:56.6	
		BB1	SDR 260	251	9	0	0		69.34	14.40		DN0006/05	1			
		DIRECT VIEW OF STRONG MAGNET ON BACKHOE IN SUNLIGHT														

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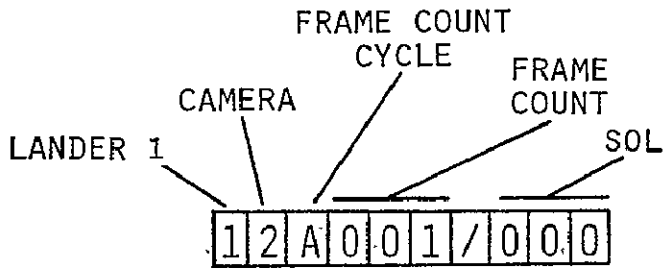
CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
12A119/020	15.14.51	SINGLE	5.0/137.5	-10	.04	13/2	1	4	RT/UH	16K	8	280.8/50.4	43/-53	223/00:06:30	11:46.0	
		BB3 *	ISDR 3308	0	0	6	1		120.59	33.00		DN0006/06	5			
		AREA OF POSSIBLE OUTCROP. STREWN FIELD OF ROCKS WELL IMAGED.														
11A120/020	15:46·49	SINGLE	182.5/195.0	-50	.04	8/2	1	4	RT/UH	16K	8	282.3/43.4	221/-46	223/00:38:28	01:01.0	
		BB1 *	ISDR 284	0	0	30	1		37.47	15.23		DN0006/07	1			
		SAME AS 11A115 UPPER PART OF LEG 3 FRACTURES IN FINE SURFACE MATERIAL SEEN IN BACKGROUND.														
12A121/020	17:07 59	SINGLE	185.0/232.5	10	.12	1/3	1	5	REC/UH	16K	10	286.8/25.7	49/-28	223/01:59:38	01:27.7	
		BLU	ISDR 408	397	11	0	0		79.09	70.00		DN0006/08	1			
		ATMOSPHERE SCATTERING EXPERIMENT. BLUE SINGLET														
12A122/020	17:11.59	SINGLE	185 0/232.5	10	.12	10/3	1	5	REC/UH	16K	10	287.1/24.9	50/-27	223/02:03:38	01:27.7	
		IR2	SDR 408	397	11	0	0		88.40	66.93		DN0006/09	1			
		ATMOSPHERE SCATTERING EXPERIMENT. IR2 SINGLET														
12A123/020	17:13:26	SINGLE	170.0/170.0	0		15/7	1	2	REC/UH	16K	12	/	/	223/02:05:05	0:18.0	
		CAL	SDR 61	0	0	0	0		.00	.00		DN0006/10	1			
		CALIBRATION														
12A124/021	07:29·59	SINGLE	77.5/117.5	-50	.04	8/2	1	3	REC/UH	16K	-12	73.5/26.7	197/-24	223/17:01:13	03:36.5	
		BB1 *	ISDR 1010	1001	9	0	0		101.42	36.72		DN0006/11	2			
		NEAR FIELD FINES AND DISTURBED AREA. BOOM PIN.														
12A125/021	08:09.59	SINGLE	227 5/290.0	0	.04	5/2	1	4	REC/UH	16K	-10	75 9/35.4	199/-32	223/17:41:13	05:36.5	
		BB4 *	ISDR 1575	1564	11	0	0		130.93	35.82		DN0006/12	2			
		ROCKS OUT TO HORIZON AND SOME DRIFTS.														
12A126/021	10.00.27	SINGLE	295.0/302.5	-30	.04	8/2	1	5	RT/SB	250	-2	81.0/59.7	205/-56	223/19:31:41	43:27.0	
		BB1	ISDR 188	189	6	7	1		61.25	30.92		DN0006/13	1			
		GRID														
11A127/021	15:12 30	SINGLE	202 5/335 0	-10	.04	13/2	1	4	RT/UH	16K	6	280.6/50.9	219/-53	224/00:43:44	11:46.0	
		BB3 *	ISDR 3308	0	0	6	1		113.02	39.48		DN0006/14	5			
		VIEW EXTENDING FROM DRIFTS TO RIGHT ACROSS POSSIBLE BEDROCK														
11A128/021	15:44 28	SINGLE	182.5/195.0	-50	.04	8/2	1	4	RT/UH	16K	8	282.1/43.9	221/-46	224/01:15:42	01:01.0	
		BB1 *	ISDR 286	0	0	28	1		40.57	19.87		DN0006/15	1			
		SAME AS 11A115 AND 11A120. UPPER PART OF LEG 3														
11A129/022	08:10 00	SINGLE	100.0/195.0	0	.04	5/2	1	4	REC/UH	16K	-12	76.0/35.4	16/-32	224/18:20:49	08:29.9	
		BB4 *	SDR 2384	2376	8	0	0		121.99	57.96		DN0007/01	3			
		DRIFT FIELD IN MORNING SUN														
11A130/022	10:10·27	SINGLE	295.0/305.0	-20	.04	13/2	1	4	RT/SB	250	-4	81.5/61.9	22/-59	224/20:21:17	44:27.0	
		BB3	ISDR 193	0	0	58	2		91.39	45.19		DN0007/02	1			
		PEBBLES IN NEAR FIELD														

VL-1 PARAMETER LISTS

The organization of the VL-1 parameter lists which appear in this section is described in the section "Selection of Camera Event Parameter Lists," and each parameter has been explained previously. In all lists, the parameter entries for each camera event are preceded by the camera event label. The format of this label is shown in figure 9.



VL-1 SOL 000 = JULY 20, 1976

Figure 9.- Format of VL-1 camera event label.

VL-1 CAMERA EVENT REPORT

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
12A001/000	16:13.21	SINGLE	102.5/160.0		-50 04	8/2	1	4	RT/UH	16K	16	284.9/38.7	49/-38	202/11.53:15	05:07.0	
		BB1 *	COMP	1438	0	0	1	1	56 34	19.27		DN0001/01	2			
		FIRST LANDER PICTURE. POORLY SORTED. PITTED. FLUTED. FACETED GRAVEL ON AND IN FINE SUBSTRATE. SHARP ELONGATE DEPRESSIONS MAY HAVE FORMED BY IMPACT OF PARTICLES MOVED BY DESCENT ENGINE BLAST. DARKER MATERIAL IN DEPRESSIONS. VERTICAL LINES AT LEFT INTERPRETED TO RECORD SETTLING DUST.															
12A002/000	16:19.04	SINGLE	10.0/310.0		-10 .12	14/3	1	4	RT/UH	16K	18	285.2/37.0	50/-37	202/11:58:58	08.52.0	
		SURV *	COMP	2501	0	0	0	0	90.32	43.59		DN0001/02	4			
		FIRST SURVEY PANORAMA. NUMEROUS BLOCKS FROM NEAR FIELD TO HORIZON. LOW DRIFTS OR DUNES. MANY ROCKS SHOW COMPLEX FRACTURING. WIND SCOUR DEPRESSIONS AROUND SOME BLOCKS. SHALLOW DEPRESSION SEEN OVER STROKE GAUGE														
12A003/001	07:47.59	SINGLE	80.0/140.0		-30 .04	0/2	1	4	REC/UH	16K	-10	73.2/30.0	197/-30	203/04.07:28	05 21.2	
		BB2 *	COMP	1502	1501	1	0	0	65.69	23.15		DN0001/03	2			
		FIRST HIGH RES OF SAMPLE SITE. GRAVEL PATCHES. SHARP ELONGATE DEPRESSIONS FROM PARTICLES THROWN UP BY LANDING. WIND TAILS														
12A004/001	10.36.27	SINGLE	132.5/150.0		-30 .12	14/3	1	4	RT/SB	250	0	78.5/66.6	203/-66	203/06 55.56	43 27.0	
		SURV *	COMP	189	147 43	1	1		114 28	28.99		DN0001/04	1			
		POSSIBLE OUTCROP OF LOWER ALBEDO ROCK BELOW HORIZON 43 LINES OF RESCAN REVEAL NO MOTION IN SCENE.														
12A005/001	12:35.59	SINGLE	305.0/310.0		-10 .12	14/3	1	4	REC/UH	16K	8	306.7/85.6	71/-85	203/08.55:28	00:10.1	
		SURV	COMP	41	0	0	2	1	117 26	58 95		DN0001/05	1			
		RADIOMETRIC CALIBRATION PICTURE OF RTG2. LIMITED VIEW OF FAR FIELD														
12A006/001	12.41 59	COLOR	80.0/147.5		-20 .12	1/1	1	5	REC/UH	16K	8	299.0/84.4	63/-84	203/09:01:28	06.01.2	D
		BLU *	COMP	563	0	0	1	1	56.87	22.85		DN0001/06	1			
		GRN *	COMP	562	0	0	2	1	58.93	19.48		DN0001/07	1			
		RED *	COMP	562	0	0	2	1	69.89	16.04		DN0001/08	1			
		FIRST COLOR PICTURE. INCLUDES SAMPLE SITE. LOWER ALBEDO OUTCROP IN FAR FIELD. LARGE BLOCKS ON HORIZON.														
12A007/001	12:48.00	SINGLE	170.0/170.0		0	7/7	1	2	REC/UH	16K	10	/	/	203/09:07:29	0:18.0	
		CAL	SDR	60	0	0	0	0	.00	.00		DN0001/09	1			
		CALIBRATION FRAME														
12A008/001	14.44:59	COLOR	305.0/310.0		-10 .12	1/1	1	5	REC/UH	16K	10	281.7/57.5	46/-57	203/11:04:28	00 27.9	
		BLU	ISDR	12	0000	0	2	1	89 51	43 85		DN0001/10	1			
		GRN	ISDR	12	0000	0	2	1	88.20	44.56		DN0001/11	1			
		RED	ISDR	12	0000	0	2	1	75.40	27.57		DN0001/12	1			
		SAME AS 12A005 BUT RTC2 IS IN SUNLIGHT														
12A009/001	15.50.28	SINGLE	80.0/160.0		-50 .04	8/2	1	4	RT/UH	16K	12	283.8/43.3	48/-43	203/12:09:57	06:35.5	
		BB1 *	ISDR	1853	0	0	148	1	76.65	31.03		DN0001/13	3			
		USABLE PART OF IMAGE EXTENDS FROM 95 TO 154 DEG. CACCS. INCLUDES SAME AREA AS 12A001.														
12A010/002	07:18.00	SINGLE	65.0/155.0		-10 .04	5/2	1	4	REC/UH	16K	-15	71.7/23.7	195/-23	204/04.17:04	08:01.2	
		BB4 *	COMP	2252	2251	1	0	0	60 58	26 97		DN0001/14	3			
		BLOCKY FIELD WITH SMALL ISOLATED SEDIMENT DRIFTS. OUTCROP OF HIGHER ALBEDO ROCK THAT APPEARS FRACTURED. WIND TAILS COMMON. HIGH RES OF SAMPLE SITE.														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
12A011/002	07.26.01	SINGLE	170.0/170 0	0		7/7	1	2	REC/UH	16K	-13	/	/	204/04:25:05	0:18.0	
		CAL	SDR 60	0	0	0	0		.00	.00		DN0001/15	1			
		CALIBRATION FRAME														
12A012/002	08 00·27	SINGLE	132.5/150.0	-30	.12	14/3	1	4	RT/SB	250	-12	74 2/32 8	197/-32	204/04:59:32	43:27.0	
		SURV *	COMP 188	147	43	2	1		90.08	34.18		DN0001/16	1			
		SAME AS 12A004														
12A013/002	10:29 50	SINGLE	117.5/155.0	-50	.04	8/2	1	4	REC/UH	16K	0	79.8/65.5	204/-65	204/07:28:54	03:21.2	
		BB1 *	ISDR 942	939	3	0	0		93.56	29.61		DN0001/17	2			
		MIRROR ON SURFACE SAMPLER IN UPPER LEFT IS LOOKING UNDER ENGINE. SOIL IN UPPER RIGHT WAS DISTURBED BY IMPACT OF SAMPLER SHROUD.														
12A014/002	13 06·00	SINGLE	295 0/305.0	-30	.04	8/2	1	4	REC/UH	16K	4	283.6/79.5	45/-79	204/10:05:04	00:54.6	D
		BB1	ISDR 250	0	0	1	1		77.19	57.85		DN0001/18	1			
		HI RES OF GRID ON LANDER TOP.														
12A016/003	09.10 27	SINGLE	125.0/132.5	-50	.04	8/2	1	4	RT/SB	250	-10	77.6/48.1	201/-48	205/06:49:07	44:27.0	
		BB1 *	ISDR 195	189	6	0	0		87.82	29.66		DN0002/01	1			
		VARIABLE FEATURES AREA NEAR FOOT PAD 3														
11A017/003	14:28 00	SINGLE	272.5/300 0	-20	.04	13/2	1	4	REC/UH	16K	2	280 4/61.5	219/-61	205/12:06:39	02:27.9	
		BB3 *	ISDR 690	689	1	0	0		113.54	24.95		DN0002/02	1			
		FIRST CAMERA 1 PICTURE, SAMPLE SITE														
11A018/003	14.32 00	SINGLE	10.0/310.0	-10	.12	14/3	1	4	REC/UH	16K	6	280.5/60 6	219/-60	205/12:10:39	08:54.5	
		SURV *	COMP 2499	0	0	2	1		127.75	50.33		DN0002/03	4			
		FIRST CAMERA 1 SURVEY PANORAMA. LOW DUNES OR DRIFTS. LARGE BOULDER IS 3M BY 1M HIGH AND 8M AWAY.														
11A019/003	14.40·54	SINGLE	170.0/170.0	0		7/7	1	2	REC/UH	16K	6	/	/	205/12:19.33	0:18.0	
		CAL.	SDR 60	0	0	0	0		.00	.00		DN0002/04	1			
		CALIBRATION														
11A021/003	18·56.00	COLOR	57.5/ 57.5	10	.12	1/1	1	5	REC/UH	250	2	295 4/ 4.0	234/ -4	205/16:34:39	40:01.2	R
		BLU *	SDR 57	2	57	1	1		102.86	55.00		DN0002/05	1			
		GRN *	SDR 57	2	57	1	1		97.25	53.75		DN0002/06	1			
		RED	SDR 57	2	57	1	1		84.44	52.10		DN0002/07	1			
		TWILIGHT RESCAN IMAGE TO DETERMINE HEIGHT DEPENDENCE OF SIZE AND AMOUNT OF PARTICULATE MATERIAL IN THE ATMOSPHERE.														
11A022/004	07:11 59	SINGLE	235.0/277.5	-50	.04	8/2	1	4	REC/UH	16K	-17	71.4/22.5	11/-22	206/05:30:14	03:47.9	
		BB1 *	COMP 1065	1064	1	0	0		45.11	16.33		DN0002/08	2			
		FINE GRAINED MATERIAL OF DRIFT AT FOOTPAD 2. THE FOOTPAD SUNK INTO THE DRIFT AND BURIED AS FINE MATERIAL FLOWED OVER IT. THE MATERIAL IS SOMEWHAT COHESIVE FRACTURES FORMED AT THE SURFACE. SHARP DEPRESSIONS THAT RESEMBLE RABBIT TRACKS WERE PROBABLY MADE BY PARTICLES OR CLODS THROWN UP DURING DESCENT.														

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VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS			AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
11A023/004	07:23.59	SINGLE	270.0/305.0	-30	.04	0/2	1	4	REC/UH	16K	-15	72.1/25.0	12/-25	206/05.42.14	03:07.9	
		BB2 *	COMP 874	0	0	2	1		51.51	18.58		DN0002/09	1			
		ICL SAMPLE SITE. SMALL PATCHES APPEAR TO BE LAG GRAVEL DEPOSITS ON THE SURFACE. WIND TAILS ARE WELL SHOWN. SOME SMALL GROOVES AND DEPRESSIONS MAY HAVE BEEN PRODUCED ON LANDING. STEREO WITH 12A003.														
11A024/004	07:27.06	SINGLE	170.0/170.0	0		7/7	1	2	REC/UH	16K	-15	/	/	206/05:45.21	0.18.0	
		CAL	SDR 61	0	0	0	0		.00	.00		DN0002/10	1			
		CALIBRATION														
11A025/004	07:29.59	SINGLE	35.0/ 40.0	-20	.04	8/2	1	4	REC/UH	16K	-15	72.5/26.3	12/-26	206/05:48.14	00:27.9	
		BB1	SDR 128	126	2	0	0		67.91	42.09		DN0002/11	1			
		HI RES PICTURE OF REFERENCE TEST CHART 3, THE CAMERA 1 CHART.														
12A026/004	09:00.27	SINGLE	132.5/150.0	-30	.12	14/3	1	4	RT/SB	250	-8	77.3/45 9	201/-45	206/07:18·42	43:27.0	
		SURV *	COMP 163	147	45	29	1		102.25	30 37		DN0002/12	1			
		SAME AS 12A004/001														
12A027/004	12:47.59	SINGLE	310.0/335.0	-30	.12	14/3	1	5	REC/UH	16K	4	288.9/83.4	53/-83	206/11:06:14	00:45.7	D
		SURV	SDR 211	209	2	0	0		70.59	48.03		DN0002/13	1			
		VIEW OF LANDER TOP WITH PDA OF BIOLOGY AND XFRS. SOME BOULDERS SEEN ABOVE RTG1. PICTURE VERIFIES BIOLOGY PDA DEPLOYMENT.														
12A028/004	12:49.59	SINGLE	277.5/285.0	-10	.12	14/3	1	4	REC/UH	16K	4	288 0/82.9	55/-82	206/11:08:14	00:14.6	
		SURV	SDR 65	64	1	0	0		130.79	56.75		DN0002/14	1			
		LEG 1 STROKE GAUGE FOR LANDER TILT ESTIMATION.														
11A029/004	12:59·59	COLOR	275.0/307.5	-20	.12	1/1	1	5	REC/UH	16K	0	284.5/80.8	225/-80	206/11.18.14	02:54.6	
		BLU *	SDR 271	0	0	1	1		52.68	24 82		DN0002/15	1			
		GRN *	SDR 271	0	0	1	1		62.01	23 36		DN0002/16	1			
		RED *	SDR 270	0	0	2	1		70 41	18.67		DN0002/17	1			
		COLOR PICTURE POSSIBLE OUTCROP IN BACKGROUND														
11A030/004	15:45 16	SINGLE	260.0/340 0	-10	.04	13/2	1	4	RT/UH	16K	6	283.0/44.4	222/-44	206/14.03:31	06:35.5	
		BB3 *	COMP 1853	0	0	148	1		102.37	36.58		DN0002/18	0			
		BB3	ISDR 1851	0	0	150	2		102.37	36 58		DN0002/18	3			
		USABLE PART OF IMAGE BEGINS AT CACCS AZIMUTH OF ABOUT 310. SOME NOISY DATA BEGINS AT 293. PICTURE EXTENDS TO ABOUT CACCS AZIMUTH 359. VIEW OF POSSIBLE BEDROCK OUT TOWARD VW ROCK.														
12A031/005	08:10:27	SINGLE	125.0/132.5	-50	.04	8/2	1	4	RT/SB	250	-13	75.1/36.1	198/-32	207/07:08.17	44·27.0	
		BB1 *	ISDR 195	189	6	0	0		77.34	33.47		DN0002/19	1			
		LOOKING FOR CHANGES IN SCENE. SAME AS 12A016/002.														
11A032/005	10:46:41	SINGLE	277.5/302.5	0	.04	8/2	1	5	RT/SB	16K	-6	80.0/69.3	22/-66	207/09:44.31	02:14.6	
		BB1	SDR 627	626	1	0	0		68.11	24.11		DN0002/20	1			
		SURFACE SAMPLER COLLECTOR HEAD WITH BACKHOE MAGNET ARRAY SEEN IN THE DIRECT VIEW, THAT IS, THE BACK OF THE ARRAY. TAKEN BEFORE SAMPLING. MARS NOT IN FOCUS.														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
12A033/005	11:53 59	IR	77.5/130 0	-30	.12	9/1	1	4	REC/UH	16K	2	69 6/84.0	203/-81	207/10:51:49	04:41.2	
		IR3	ISDR 437	0	0	2	1		95.17	19.60		DN0002/21	1			
		IR2	ISDR 437	0	0	2	1		93.75	19.68		DN0002/22	1			
		IR1	ISDR 436	0	0	3	1		110.58	22.83		DN0002/23	1			
		IR COLOR PICTURE, OVERLAPS WITH 12A006/001. BOOM LATCH PIN ON SURFACE AT LOWER LEFT.														
12A034/005	11.58.40	SINGLE	170.0/170.0	0		7/7	1	2	REC/UH	16K	4	/	/	207/10:56:30	0:18.0	
		CAL	SDR 61	. 0	0	0	0		.00	00		DN0002/24	1			
		CALIBRATION FRAME														
12A035/005	12:29.59	IR	305 0/310.0	-10	.12	9/1	1	5	REC/UH	16K	4	311 2/86.9	143/-88	207/11.27:49	00:27.9	
		IR3	ISDR 42	0	0	1	1		63.94	27.13		DN0002/25	1			
		IR2	ISDR 42	0	0	1	1		63.99	26 69		DN0002/26	1			
		IR1	ISDR 41	0	0	2	1		67.85	26.23		DN0002/27	1			
		IR PICTURE OF RTC 2, CAMERA 2 RTC AND PART OF LANDERTOP.														
12A036/005	14:59 59	SINGLE	197 5/212.5	-10	.04	8/2	1	5	RT/SB	16K	6	281.2/54.3	43/-57	207/13·57.49	01:21.2	
		BB1	SDR 375	0	0	1	1		53.13	20.47		DN0002/28	1			
		COMMAND ANTENNA CHECK, OUT OF FOCUS														
11A037/005	15:43:10	SINGLE	182.5/242.5	-30	.04	0/2	1	4	RT/UH	16K	6	282 9/44 9	222/-47	207/14·41.00	06:35.5	
		BB2 *	ISDR 1793	1501	353	61	1		123.17	27.38		DN0002/29	3			
		WIND SCOUR DEPRESSIONS AROUND NEAR FIELD ROCKS, VESICULAR OR PITTED ROCK-COQUINOID APPEARANCE. SMALL SINUOUS SURFACE RIDGES, "SWASH MARKS" DARKER MATERIAL IN SCOUR DEPRESSIONS SMALL SHARP PITS FROM PARTICLES THROWN UP AT LANDING. USABLE PART OF IMAGE FROM CACCS AZIMUTH 205 TO 242 5															
11A038/006	07:18 00	COLOR	15 0/ 40 0	-10	.12	1/1	1	5	REC/UH	16K	-13	71.8/23.8	11/-21	208/06.55.25	02:14.6	
		BLU *	SDR 209	0	0	0	0		82.57	54 45		DN0003/01	1			
		GRN *	SDR 208	0	0	1	1		78 69	44.57		DN0003/02	1			
		RED *	SDR 208	0	0	1	1		67.92	30.44		DN0003/03	1			
		COLOR PICTURE OF US FLAG TAKEN IN EARLY MORNING WITHSUN BEHIND. RTC3 IS PARTLY ILLUMINATED.														
12A039/006	07:24.27	SINGLE	125.0/132.5	-50	.04	8/2	1	4	RT/SB	250	-15	72 2/25.2	195/-22	208/07:01:53	44·27.0	
		BB1 *	COMP 187	189	6	8	1		61.68	24.63		DN0003/04	1			
		SAME AS 12A031.016 IN VARIABLE FEATURES SERIES.														
11A040/006	12:00.00	COLOR	197.5/275 0	-30	.12	1/1	1	4	REC/UH	16K	0	64 7/85.3	18/-82	208/11:37:25	06:54.5	D
		BLU *	COMP 645	0	0	2	1		80.37	27.76		DN0003/05	1			
		GRN *	COMP 645	0	0	2	1		102.71	29.46		DN0003/06	1			
		RED *	COMP 645	0	0	2	1		134.78	31.11		DN0003/07	1			
		COLOR PICTURE OF DRIFT IN NEAR FIELD AND DRIFTS UP T														
11A041/006	12:20·00	SINGLE	.0/ 5.0	0	.12	8/3	1	4	REC/UH	16K	2	355.6/88.0	4/-87	208/11:57:25	00:10.1	
		BB1	SDR 41	0	0	2	1		84.93	70.77		DN0003/08	1			
		CAMERA 1 SCAN VERIFICATION.														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
12A042/006	12.25 00	SINGLE	0/ 5.0	0	.12	8/3	1	4	REC/UH	16K	2	328.2/87 6	173/-87	208/12:02:25	00:10.1	
		BB1	SDR 41	0	0	2	1		58.11	31.42		DN0003/09	1			
		CAMERA 2 SCAN VERIFICATION.														
12A043/006	12·30·00	SINGLE	305.0/310.0	-20	.04	8/2	1	4	REC/UH	16K	2	310.2/86 9	142/-88	208/12:07:25	00:27.9	D
		BB1	SDR 125	0	0	1	1		48.45	19.72		DN0003/10	1			
		RTC 2 FOR RADIOMETRIC CALIBRATION.														
12A044/006	12:35 00	SINGLE	0/ 5 0	0	.12	8/3	1	4	REC/UH	16K	2	300 0/86.0	101/-88	208/12:12:25	00:10.1	
		BB1	SDR 41	0	0	2	1		58.59	31.50		DN0003/11	1			
		CAMERA 2 SCAN VER AFTER DUSTING.														
12A045/006	15·40·53	COLOR	80.0/147.5	-20	.12	1/1	1	4	RT/UH	16K	8	282 7/45 3	45/-48	208/15.18:19	06:35.5	
		BLU *	COMP 616	565	53	1	1		90.49	50.52		DN0003/12	1			
		GRN *	COMP 617	565	53	0	0		92.27	44.88		DN0003/13	1			
		RED *	COMP 616	565	53	1	1		105.28	39 13		DN0003/14	1			
		COLOR PICTURE OF AREA IN 12A006/001. USABLE PART IS FROM ABOUT 30 TO 68 DEGREES CACCS AZIMUTH. RESCAN														
11A046/006	17.54 00	SINGLE	32 5/ 67.5	10	.12	4/3	0	4	REC/UH	16K	4	290.4/16.7	229/-19	208/17:31:25	01:03.5	
		SUN	ISDR 294	293	1	0	0		27.00	.44		DN0003/15	1			
		SOLAR EXTINCTION STUDIES AT LOW SUN ELEV.														
11A047/007	07.06.00	SINGLE	172 5/205.0	10	.12	4/3	0	4	REC/UH	16K	-17	71 1/21.3	11/-18	209/07:23:00	00.59.0	
		SUN	ISDR 273	272	1	0	0		27.00	.12		DN0003/16	1			
		SOLAR EXTINCTION STUDIES														
11A048/007	07.12·00	SINGLE	240.0/270.0	-30	.04	0/2	1	4	REC/UH	16K	-17	71.5/22.5	11/-20	209/07:29:00	02:41.2	
		BB2 *	SDR 752	751	1	0	0		42.41	15.56		DN0003/17	1			
		ADJACENT TO NEAR DRIFT. SMALL WIND TAILS. SURFACE SAMPLER COLLECTOR HEAD IN LOWER RIGHT.														
11A049/007	07:14·41	SINGLE	170 0/170.0	0		15/7	1	2	REC/UH	16K	-15	/	/	209/07.31:41	0:18.0	
		CAL	SDR 61	0	0	0	0		.00	.00		DN0003/18	1			
		CALIBRATION														
12A050/007	11.36·27	SINGLE	20.0/ 37.5	-30	.12	14/3	1	4	RT/SB	250	0	76.7/80.3	205/-77	209/11:53:28	43:27.0	
		SURV *	ISDR 190	147	45	2	1		114.65	47.29		DN0003/19	1			
		SURFACE SAMPLER COLLECTOR HEAD AGAINST MARTIAL SURFACE. BACKGROUND.														
11A051/007	15:38.25	SINGLE	200 0/260 0	-50	.04	8/2	1	4	RT/UH	16K	8	282.6/45.8	222/-48	209/15:55:26	06:35.5	
		BB1 *	ISDR 111	0	0	203	2		75.33	48.64		DN0003/20	3			
		USABLE DATA FROM CACCS AZIMUTH 235 TO 274 NEARFIELD OF FINES WITH A LARGE PART IN LANDER SHADO														
		W. PITS IN SOIL FROM MATERIAL THROWN OUT ON LANDING.														
11A052/007	17:41 59	SINGLE	207.5/217.5	-30	.04	0/2	1	4	REC/UH	16K	4	289.5/19.2	229/-22	209/17:59:00	00:54.6	D
		BB2 *	SDR 252	251	1	0	0		41.13	21.59		DN0003/21	1			
		SITE OF FIRST SAMPLE, IN LANDER SHADOW. UPPER THIRD USABLE.														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	RESCAN BEGIN/TOTAL	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES		MISSED		GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
11A053/008	17:42 53	SINGLE	170 0/170.0		0		15/7	1	2	REC/UH	16K	4	/	/	209/17:59:54	0.18.0	
		CAL	SDR	61	0	0	0	0		.00	.00		DN0003/22	1			
		CALIBRATION															
12A054/007	17 44:59	SINGLE	22.5/ 32 5		-20	.04	13/2	1	4	REC/UH	16K	6	289.7/18.5	52/-21	209/18:02:00	00:54.6	D
		BB3 *	SDR	252	251	1	0	0		64.64	28.44		DN0003/23	1			
		DIRECT VIEW OF BACK OF BACKHOE MAGNET ARRAY BEFORE SAMPLING. FINE SOIL AND ROCKS IN BACKGROUND.															
11A055/008	06:47·59	SINGLE	207.5/217.5		-30	.04	0/2	1	4	REC/UH	16K	-19	69.9/17 5	9/-15	210/07:44:35	00:54.6	
		BB2 *	SDR	253	251	2	0	0		35.63	7.00		DN0003/24	1			
		SAMPLE SITE BEFORE THE FIRST TRENCH. SWASH-MARK-LIKE SINUOUS FEATURES ON DRIFT NEAR LANDER.															
12A056/008	06:49.59	SINGLE	22.5/ 32.5		-20	.04	13/2	1	4	REC/UH	16K	-17	70.1/17.9	193/-15	210/07:46:35	00:54.6	
		BB3 *	SDR	253	251	2	0	0		35.45	12.24		DN0003/25	1			
		SAME AREA AS 11A055. FOR STEREO OF SAMPLE SITE.															
11A057/008	07.20·57	SINGLE	7 5/ 37.5		-20	.12	14/3	1	4	REC/UH	16K	-17	72.1/24.5	12/-21	210/08:17:33	00:54.6	
		SURV *	SDR	252	251	1	0	0		102.81	67.45		DN0003/26	1			
		GCMS PDA DEPLOYED, RTG2 WITH US FLAG AND HORIZON IN BACKGROUND.															
11A058/008	08.48·59	SINGLE	207.5/217.5		-30	.04	0/2	1	4	REC/UH	16K	-12	77.0/43.5	17/-40	210/09:45:35	00:54.6	
		BB2 *	COMP	249	0	0	2	1		76.67	19.41		DN0003/27	1			
		SAMPLE AREA AFTER BIOLOGY SAMPLE TAKEN															
12A059/008	08:50.59	SINGLE	22 5/ 32 5		-20	.04	13/2	1	4	REC/UH	16K	-10	77.1/43.9	201/-41	210/09:47:35	00:54.6	
		BB3 *	SDR	253	251	2	0	0		80.24	35.30		DN0003/28	1			
		SAME AS 11A058 FOR STEREO															
11A060/008	10:49·52	SINGLE	210 0/217 5		10	.04	0/2	1	4	REC/UH	16K	-6	80.3/70.1	22/-67	210/11:46:28	00:41.2	
		BB2	SDR	190	189	1	0	0		201.54	45.72		DN0003/29	1			
		ACQUISITION OF FOURTH SAMPLE.															
12A061/008	11:49 00	SINGLE	310.0/335.0		-30	.12	14/3	1	5	REC/UH	16K	0	73.0/83.1	204/-80	210/12:45:36	00:45.7	
		SURV	SDR	211	209	2	0	0		56.86	34 53		DN0003/30	1			
		SURFACE SAMPLER COLLECTOR HEAD IN POSITION AFTER DUMPING SAMPLE INTO THE XRFS PDA DIRECTLY BELOW. SOME FINE MATERIAL HAS SPILLED ONTO THE LANDER TOP.															
12A062/008	12:06 59	COLOR	22 5/ 32.5		-30	.12	1/1	1	4	REC/UH	16K	2	54.0/86.8	200/-84	210/13:03:35	00:54.6	
		BLU *	SDR	84	0	0	0	0		94.23	47.54		DN0003/31	1			
		GRN *	SDR	83	0	0	1	1		94 55	46.94		DN0003/32	1			
		RED *	SDR	83	0	0	1	1		107.30	54 35		DN0003/33	1			
		COLOR PICTURE OF FIRST SAMPLE SITE TO LOOK AT SOIL COLOR IN TRENCH.															
12A063/008	12.07.53	SINGLE	170.0/170.0		0		15/7	1	2	REC/UH	16K	2	/	/	210/13:04:29	0:18.0	
		CAL	SDR	61	0	0	0	0		.00	.00		DN0003/34	1			
		CALIBRATION															

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS			AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
12A064/008	12:12.27	SINGLE	20.0/ 37 5	-30	.12	14/3	1	4	RT/SB	250	2	36.6/87 6	197/-85	210/13.09:03	43:27.0	
		SURV *	ISDR 192	147	48	3	1		99 98	51.05		DN0003/35	1			
		SURVEY PICTURE OF TRENCH. RESCAN.														
11A065/008	14:19.59	SINGLE	207.5/217.5	-30	.04	0/2	1	4	REC/UH	16K	2	279 9/63.0	218/-66	210/15:16 35	00:54.6	
		BB2 *	SDR 253	251	2	0	0		127.27	18.43		DN0003/36	1			
		TRENCH AFTER GCMS AND XFRS SAMPLING. MET.BOOM SHADOW														
11A066/008	14:23:59	SINGLE	260 0/275.0	0	.04	5/2	1	4	REC/UH	16K	2	280.0/62.1	219/-65	210/15·20 35	01:21.2	
		BB4 *	ISDR 378	376	2	0	0		136.95	26.19		DN0003/37	1			
		LARGE BOULDERS ON HORIZON. SKYLINE PROMINENCE.														
11A067/008	15:35.42	SINGLE	225.0/305 0	-30	.04	0/2	1	4	RT/UH	16K	6	282.4/46.4	221/-49	210/16:32:18	06:35.5	
		BB2 *	COMP 1763	0	0	238	2		111.73	32 76		DN0003/38	3			
		USEFUL PART OF IMAGE EXTENDS FROM 260 TO 299 CACCS AZIMUTH SCATTERED ROCKS WITH WIND TAILS. GRAVEL PATCHES. SOME DEPRESSIONS PRODUCED ON LANDING.														
12A068/009	10.59·59	SINGLE	295.0/305 0	-30	.04	8/2	1	5	REC/UH	16K	-2	80.3/72 4	206/-69	211/12·36·10	00·54.6	
		BB1	SDR 253	251	2	0	0		67.62	29 00		DN0004/01	1			
		GRID ON LANDER TOP														
11A069/009	15:32:54	SINGLE	145 0/225.0	-30	.04	0/2	1	4	RT/UH	16K	-12	282 3/46.9	221/-49	211/17:09.05	06:35.5	
		BB2 *	ISDR 1734	0	0	267	6		109 70	43.94		DN0004/02	3			
		TRENCH PICTURE TAKEN TO DETERMINE DOWNWIND TRANSPORT OF PARTICLES SPILLED FROM SAMPLE HEAD. FRACTURES ON GENERAL SURFACE OF NEAR FIELD DRIFT SHOWN. USABLE IMAGE FROM ABOUT 180 TO 215 AZIMUTH (CACCS).														
12A070/010	10:10.27	SINGLE	110.0/117 5	-40	.04	8/2	1	4	RT/SB	250	-4	80.1/61.5	204/-58	212/12.26·14	44.27.0	
		BB1 *	ISDR 195	189	6	0	0		102.49	26.92		DN0004/03	1			
		SECOND VARIABLE FEATURES SEQUENCE. FINE MATERIAL BETWEEN LARGER ROCKS. SOME DESCENT PRODUCED DEPRESSIONS														
12A071/010	12:39 00	COLOR	147.5/187.5	-20	.12	1/1	1	4	REC/UH	16K	6	292.1/85.1	68/-88	212/14:54:46	03:34.6	
		BLU *	SDR 334	0	0	0	0		110.06	55 22		DN0004/04	1			
		GRN *	SDR 333	0	0	1	1		112.68	51.16		DN0004/05	1			
		RED *	SDR 333	0	0	1	1		128.92	46 36		DN0004/06	1			
		COLOR PICTURE OF BLOCKY PART OF SCENE, STROKE GAUGE 3 IN CENTER.														
12A072/010	12:42:34	SINGLE	170.0/170.0	0		7/7	1	2	REC/UH	16K	8	/	/	212/14:58·20	0:18.0	
		CAL	SDR 60	0	0	0	0		00	.00		DN0004/07	1			
		CALIBRATION														
12A073/010	12:45·00	COLOR	305 0/310.0	-10	.12	1/1	1	4	REC/UH	16K	8	288 0/83.8	55/-86	212/15:00:46	00:27.9	
		BLU	SDR 41	0	0	2	1		128.57	69.26		DN0004/08	1			
		GRN	SDR 41	0	0	2	1		120.61	64.04		DN0004/09	1			
		RED	SDR 41	0	0	2	1		127.90	67.88		DN0004/10	1			
		RTC2, CAMERA 2 RTC. SHOULD BE IN BRIGHT SUN BUT APPEARS TO BE SHADED BY HGA. COLOR CALIBRATION.														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS			AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
12A074/010	15:29.55	COLOR	5 0/ 85.0	-10	.12	1/1	1	5	RT/UH	16K	18	282 1/47.5	44/-50	212/17:45 42	06:35.5	
		BLU *	COMP 595	0	0	73	2		78.94	44.69		DN0004/11	1			
		GRN *	COMP 596	0	0	72	2		78.07	44.64		DN0004/12	1			
		RED *	COMP 596	0	0	72	2		79.95	42.98		DN0004/13	1			
		REAL TIME COLOR. USABLE FROM 40 TO 80 CACCS AZIMUTH														
12A075/011	12:00 00	SINGLE	0/ 5.0	0	.12	8/3	1	4	REC/UH	16K	2	66.0/85 6	203/-83	213/14:55 21	00:10.1	
		BB1	SDR 44	43	1	0	0		52 67	30.16		DN0004/14	1			
		CAMERA 2 SCAN VER BEFORE DUSTING.														
12A076/011	12:04·59	SINGLE	.0/ 5.0	0	.12	8/3	1	4	REC/UH	16K	4	58.7/86 6	202/-84	213/15·00.21	00:10.1	D
		BB1	SDR 44	43	1	0	0		52.86	30 36		DN0004/15	1			
		CAMERA 2 SCAN VER AFTER DUSTING														
11A077/011	15:26 46	SINGLE	180.0/260.0	-10	.04	5/2	1	4	RT/UH	16K	6	281.9/48 2	221/-51	213/18.22.08	06·35.5	
		BB4 *	COMP 1809	0	0	192	2		134.31	27.77		DN0004/16	3			
		HI RES OUT TO HORIZON USABLE FROM 205 TO 254 DEG. CACCS AZIMUTH. DRIFT AREA OVER TO POSSIBLE OUTCROP.														
11A078/012	08:24 59	SINGLE	150.0/250.0	-30	.04	0/2	1	4	REC/UH	16K	-10	76.0/38 4	16/-35	214/11.59.56	08·54.5	
		BB2 *	COMP 2498	0	0	3	2		67.16	20.71		DN0004/17	4			
		GOOD IMAGE OF ROCKS WITH MOATS NEAR TRENCH. TRENCH AND MATERIAL SPILLED FROM SAMPLE HEAD IMAGED. CRACKS IN SURFACE NEAR TRENCH														
11A079/012	08:34:59	SINGLE	182.5/235.0	-50	.04	8/2	1	4	REC/UH	16K	-10	76.5/40 6	17/-38	214/12.09.56	04:41.2	
		BB1 *	ISDR 1319	1314	6	1	1		73.30	30 00		DN0004/18	2			
		FOOTPAD 2 IS BURIED BENEATH FINES OF SMALL DRIFT UPON WHICH IT DESCENDED. SOME COHESION OF MATERIAL IS INDICATED BY THE SMALL SCARP IN THE SOIL ABOVE THE FOOTPAD. SOME OF THE SURFACE PITS WERE FORMED AT LANDING, BUT MOST ARE FROM SPILLED SOIL OF SAMPLER.														
12A080/012	10:00.27	SINGLE	22.5/ 30.0	-20	.04	13/2	1	4	RT/SB	250	-2	80 0/59 4	204/-56	214/13:35·24	44 27.0	
		BB3 *	ISDR 193	189	10	6	1		100.19	32.99		DN0004/19	1			
		TRENCH AREA OVER SURFACE SAMPLE HOUSING														
12A081/012	15:36:22	SINGLE	60.0/160 0	-50	.04	8/2	1	4	RT/UH	16K	12	282.2/46.4	44/-49	214/19:11.19	06:35.5	
		BB1 *	ISDR 1978	0	0	23	1		93.63	36.44		DN0004/20	3			
		FRACTURED FLAT SURFACE BENEATH FORWARD ENGINE APPARENTLY SWEPT OF FINES BY ENGINE BLAST. SURFACE SAMPLER ARM BOOM LATCH PIN AT LOWER EDGE.														
11A083/012	17:36.59	SINGLE	47.5/ 52.5	30	.04	4/2	1	2	REC/UH	16K	6	289.1/19.9	228/-22	214/21:11·56	00:27.9	D
		SUN	ISDR 127	126	1	0	0		31.34	3.57		DN0004/21	1			
		SOLAR EXTINCTION SERIES.														
11A084/012	18:23 59	SINGLE	50.0/ 55.0	20	.04	4/2	1	2	REC/UH	16K	6	292.5/10.1	232/-13	214/21:58:56	00:27.9	
		SUN	ISDR 126	126	1	1	1		31.04	1.07		DN0004/22	1			
		SOLAR EXTINCTION SERIES.														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS			AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
11A085/012	18 47 59	SINGLE	52.5/ 57.5	10	.04	4/2	1	2	REC/UH	16K	4	294.5/ 5.2	234/ -8	214/22:22:56	00:27.9	
		SUN	ISDR 127	126	1	0	0		30.19	1.61		DN0004/23	1			
		SOLAR EXTINCTION SERIES.														
11A086/012	18:58:59	SINGLE	52 5/ 57.5	10	.04	4/2	1	2	REC/UH	16K	4	295.5/ 2.9	234/ -5	214/22:33:56	00:27.9	
		SUN	SDR 128	126	2	0	0		31.00	.05		DN0004/24	1			
		SOLAR EXTINCTION SERIES.														
11A087/013	05:35:59	SINGLE	180 0/185.0	10	.04	4/2	1	2	REC/UH	16K	-17	64.5/ 8.5	3/ -0	215/09:50:31	00:27.9	
		SUN	ISDR 128	126	2	0	0		32.10	1.78		DN0005/01	1			
		SOLAR EXTINCTION SERIES														
11A088/013	05:47.59	SINGLE	182.5/187.5	10	.04	4/2	1	2	REC/UH	16K	-17	65.5/ 5.2	5/ -2	215/10.02:31	00:27.9	
		SUN	SDR 128	126	2	0	0		32.62	1.99		DN0005/02	1			
		SOLAR EXTINCTION SERIES.														
11A089/013	06:11:59	SINGLE	185.0/190.0	20	.04	4/2	1	2	REC/UH	16K	-17	67 5/10.1	7/ -7	215/10:26:31	00:27.9	
		SUN	ISDR 127	126	1	0	0		32.20	1.95		DN0005/03	1			
		SOLAR EXTINCTION SERIES.														
11A090/013	06.59·59	SINGLE	187.5/192.5	30	.04	4/2	1	2	REC/UH	16K	-15	71.0/20 2	11/-17	215/11.14:31	00:27.9	
		SUN	SDR 127	126	1	0	0		32.56	3 06		DN0005/04	1			
		SOLAR EXTINCTION SERIES.														
11A091/013	07.29 59	IR	35.0/ 40.0	-10	.12	9/1	1	4	REC/UH	16K	-15	73.0/26 6	13/-24	215/11:44:31	00:27.9	
		IR3	ISDR 42	0	0	1	1		66.95	28.77		DN0005/05	1			
		IR2	ISDR 41	0	0	2	1		70 03	30.78		DN0005/06	1			
		IR1	ISDR 41	0	0	2	1		77.89	35.18		DN0005/07	1			
		IR PICTURE OF RTC3. THE CAM 1 RTC.														
12A092/013	09·06·27	SINGLE	132.5/150.0	-30	.12	14/3	1	4	RT/SB	250	-8	78.1/47.5	202/-44	215/13.20:59	43:27.0	
		SURV *	SDR 188	147	43	2	1		103.97	30.19		DN0005/08	1			
		POSSIBLE OUTCROP BELOW HORIZON. 43 LINES OF RESCAN.														
11A093/013	11.53 59	IR	205.0/280.0	-30	.12	9/1	1	4	REC/UH	16K	0	71.5/84 5	21/-81	215/16:08:31	06:41.2	D
		IR1 *	COMP 624	0	0	2	1		121 42	26.32		DN0005/11	1			
		IR3	ISDR 624	0	0	2	1		101 68	24.08		DN0005/09	1			
		IR2	ISDR 624	0	0	2	1		105.23	24.70		DN0005/10	1			
		IR IMAGE OF SAMPLE SITE, INCLUDES TRENCH														
11A094/013	11.60·42	SINGLE	170.0/170.0	0		7/7	1	2	REC/UH	16K	0	/	/	215/16:15:12	0:18.0	
		CAL	SDR 61	0	0	0	0		.00	.00		DN0005/12	1			
		CALIBRATION														
11A095/013	13.23 59	SINGLE	15.0/ 35.0	-20	.12	14/3	1	5	REC/UH	16K	4	279.6/75.2	218/-78	215/17.38:31	00:36.8	
		SURV *	ISDR 166	0	0	2	1		68.37	38.20		DN0005/13	1			
		GCMS PDA DEPLOYED, RTG2 WITH US FLAG AND HORIZON IN BACKGROUND.														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS			AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
11A096/014	06:56:20	SINGLE	15.0/ 35.0	-20	.12	14/3	1	3	REC/UH	16K	-15	70.9/19.5	10/-16	216/11:50:27	00:36.8	
		SURV	SDR 169	168	1	0	0		110.42	69.53		DN0005/14	1			
		UNSUCCESFUL ATTEMPT TO IMAGE COLLECTOR HEAD OVER GCMS PDA														
11A097/014	07.30.00	SINGLE	132.5/252.5	-10	.04	13/2	1	4	REC/UH	16K	-15	73.0/26.6	13/-24	216/12:24:07	10:41.2	
		BB3 *	COMP 2999	0	0	2	1		66.75	38.87		DN0005/15	4			
		SCENE OF DRIFTS AND BIG JOE. APPARENT LAYERS OR RIPPLES WELL DISPLAYED.														
11A098/014	10:10.27	SINGLE	212.5/220.0	-30	.04	0/2	1	4	RT/SB	250	-4	80.5/61.7	21/-58	216/15:04:35	44:27.0	
		BB2 *	ISDR 195	189	6	0	0		96.94	31.43		DN0005/16	1			
		SECOND DIG AT TRENCH SITE.														
11A099/014	13.24.00	SINGLE	15.0/ 35.0	-20	.12	14/3	1	5	REC/UH	16K	4	279.4/88.2	15/-86	216/18:18:07	00:38.8	
		SURV *	ISDR 178	168	11	1	1		67.60	37.67		DN0005/17	1			
		GCMS PDA AFTER SAMPLE DELIVERY														
11A100/015	07.30 00	SINGLE	260.0/262.5	-50	.04	8/2	1	3	REC/UH	16K	-15	73.1/26.7	13/-24	217/13:03:42	00:16.6	
		BB1	ISDR 74	64	10	0	0		91.88	28.86		DN0005/18	1			
		HI RES OF DISTURBED SOIL NEAR S/C														
12A101/015	13.40 00	SINGLE	285.0/290.0	-20	.04	8/2	1	4	REC/UH	16K	6	278.8/71.5	40/-74	217/19:13:42	00:29.9	
		BB1	SDR 137	126	11	0	0		98.25	49.99		DN0005/19	1			
		RTC MAGNET WITH MAGNETIC MATERIAL ADHERING TO FORM A BULLS EYE PATTERN														
12A102/015	13.43 00	SINGLE	80.0/100.0	-40	.04	8/2	1	4	REC/UH	16K	6	278.8/70.9	40/-73	217/19:16:42	01:49.9	
		BB1 *	SDR 512	501	11	0	0		120.81	22.99		DN0005/20	1			
		SITE OF SAMPLE DUMP														
12A103/016	07.29:59	SINGLE	112.5/160.0	-50	.04	8/2	1	3	REC/UH	16K	-12	73.2/26.7	196/-23	218/13:43:17	04:16.5	
		BB1 *	ISDR 1200	1189	11	0	0		101.52	39.71		DN0005/21	2			
		AREA NEAR FOOTPAD 3 SMALL PEBBLES AND ROCKS														
12A104/016	09:00 27	SINGLE	110.0/117.5	-40	.04	8/2	1	4	RT/SB	250	-6	78.1/46.3	202/-43	218/15:13:45	44:27.0	
		BB1 *	ISDR 197	189	11	3	1		89.86	28.02		DN0005/22	1			
		SAMPLE SITE AREA														
11A105/017	07:29.59	SINGLE	215.0/230.0	0	.12	14/3	1	4	REC/UH	16K	-15	73.2/26.7	13/-24	219/14:22:52	00:29.9	
		SURV	SDR 137	126	11	0	0		57.32	39.40		DN0005/23	1			
		PICTURE OF EXTENDED SAMPLE ARM WITH HEAD														
12A106/017	10:00:27	SINGLE	32.5/ 57.5	-10	.12	14/3	1	4	RT/SB	250	-2	80.5/59.6	205/-56	219/16:53:20	43:27.0	
		SURV *	ISDR 183	0	0	26	2		128.25	62.98		DN0005/24	1			
		EXTENDED BOOM OF SURFACE SAMPLER														
12A107/018	07:30.00	SINGLE	155.0/207.5	-10	.04	13/2	1	4	REC/UH	16K	-13	74.8/26.7	196/-24	220/15:02:28	04:43.2	
		BB3 *	ISDR 1322	1314	8	0	0		100.85	24.10		DN0005/25	2			
		HI RES OF NEAR FIELD ROCKS, NEAR ZERO PHASE ANGLE APPEARS TO ENHANCE SHADING VARIATIONS.														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
12A108/018	07:40:00	SINGLE	142.5/167.5	-30	.04	0/2	1	4	REC/UH	16K	-12	73.9/28 9	197/-26	220/15:12.28	02:16.6	
		BB2 *	ISDR 637	626	11	0	0		84.61	34.98		DN0005/26	1			
		SURFACE NEAR FOOTPAD 3 WITH PEBBLY OR GRAVELY APPEARANCE														
12A109/018	12:10:27	SINGLE	295.0/302.5	-30	.04	8/2	1	5	RT/SB	250	4	43.4/88.0	203/-85	220/19:42:56	43:27.0	
		BB1	ISDR 190	189	1	0	0		71.46	34.26		DN0005/27	1			
		GRID ON LANDER TOP.														
12A110/019	07.12.00	SINGLE	265.0/310.0	-10	.04	13/2	1	4	REC/UH	16K	-13	72.2/22.9	195/-20	221/15:24:03	04:03.2	
		BB3 *	ISDR 1137	1126	11	0	0		61 94	40.32		DN0005/28	2			
		EARLY MORNING NEAR FIELD														
11A111/019	07:20·00	SINGLE	40.0/ 60 0	-10	.04	13/2	1	4	REC/UH	16K	-15	72.7/24.6	12/-22	221/15·32:03	01.49.9	
		BB3 *	ISDR 512	501	11	0	0		80.18	31.20		DN0005/29	1			
		SURFACE OVER SEISMOMETER. FINES AND ROCKS.														
12A112/019	07:59:00	SINGLE	15.0/ 90 0	0	.04	5/2	1	4	REC/UH	16K	-10	75 1/33 0	198/-30	221/16:11:03	06.43.2	
		BB4 *	ISDR 1884	1876	8	0	0		103.73	66.00		DN0005/30	3			
		EARLY MORNING VIEW OF HORIZON AND PART OF DRIFT FIELD.														
12A113/019	08:48·27	SINGLE	32.5/ 57.5	-10	.12	14/3	1	4	RT/SB	250	-6	77.7/43 8	201/-41	221/17:00:31	43:27.0	
		SURV *	ISDR 199	0	0	10	2		84.46	41.62		DN0005/31	1			
		CHECK ON SAMPLE ARM EXTENSION.														
11A114/019	15:17·02	SINGLE	190.0/322 5	-30	.04	0/2	1	4	RT/UH	16K	8	280 9/49 9	220/-52	221/23:29:06	11:46.0	
		BB2 *	ISDR 3308	0	0	6	1		109.53	34.15		DN0005/32	5			
		HIGH QUALITY IMAGE OF NEAR FIELD SHOWS PITTED ROCK WITH MOAT AND TWO TRENCHES.														
11A115/019	15:49.01	SINGLE	182.5/195.0	-50	.04	8/2	1	4	RT/UH	16K	8	282.4/42.9	221/-45	222/00:01:04	01:01.0	
		BB1	ISDR 284	0	0	30	1		35.73	13.61		DN0005/33	1			
		UPPER PART OF LEG 2														
12A116/020	07:53:59	SINGLE	90.0/217.5	0	.04	5/2	1	4	REC/UH	16K	-12	74 9/31.9	198/-29	222/16:45:38	11.23.2	
		BB4 *	ISDR 3197	3189	8	0	0		122.27	31.95		DN0006/01	5			
		EARLY MORNING VIEW TO HORIZON. LOW PHASE ANGLE.IN MOST OF PICTURE.														
11A117/020	08:46:27	COLOR	212.5/220.0	-30	.12	1/1	1	4	RT/SB	250	-12	77.7/43.3	18/-40	222/17:38:06	44:27.0	
		BLU *	SDR 62	0	0	2	1		55.32	16.78		DN0006/02	1			
		GRN *	SDR 62	0	0	2	1		68.64	21.43		DN0006/03	1			
		RED *	SDR 62	0	0	2	1		87.93	28.63		DN0006/04	1			
		COLOR OF TRENCH. SURFACE SAMPLER COLLECTOR HEAD.														
11A118/020	14:49:59	SINGLE	217.5/227.5	0	.04	8/2	1	5	REC/UH	16K	6	279.7/55.9	218/-58	222/23:41:38	00:56.6	
		BB1	SDR 260	251	9	0	0		69.34	14.40		DN0006/05	1			
		DIRECT VIEW OF STRONG MAGNET ON BACKHOE IN SUNLIGHT														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN	RESCAN TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
12A119/020	15:14.51	SINGLE	5.0/137.5	-10	.04	13/2	1	4	RT/UH	16K	8	280.8/50.4	43/-53	223/00:06.30	11:46.0	
		BB3 *	ISDR 3308	0	0	6	1		120.59	33.00		DN0006/06	5			
		AREA OF POSSIBLE OUTCROP. STREWN FIELD OF ROCKS WELL IMAGED.														
11A120/020	15:46.49	SINGLE	182 5/195 0	-50	.04	8/2	1	4	RT/UH	16K	8	282.3/43.4	221/-46	223/00:38 28	01:01.0	
		BB1 *	ISDR 284	0	0	30	1		37.47	15.23		DN0006/07	1			
		SAME AS 11A115 UPPER PART OF LEG 3 FRACTURES IN FINE SURFACE MATERIAL SEEN IN BACKGROUND.														
12A121/020	17.07:59	SINGLE	185 0/232.5	10	.12	1/3	1	5	REC/UH	16K	10	286.8/25.7	49/-28	223/01:59:38	01:27.7	
		BLU	ISDR 408	397	11	0	0		79.09	70.00		DN0006/08	1			
		ATMOSPHERE SCATTERING EXPERIMENT. BLUE SINGLET														
12A122/020	17:11:59	SINGLE	185.0/232.5	10	.12	10/3	1	5	REC/UH	16K	10	287.1/24 9	50/-27	223/02:03:38	01:27.7	
		IR2	SDR 408	397	11	0	0		88.40	66.93		DN0006/09	1			
		ATMOSPHERE SCATTERING EXPERIMENT. IR2 SINGLET														
12A123/020	17:13:26	SINGLE	170 0/170.0	0		15/7	1	2	REC/UH	16K	12	/	/	223/02:05:05	0:18.0	
		CAL	SDR 61	0	0	0	0		.00	.00		DN0006/10	1			
		CALIBRATION														
12A124/021	07:29.59	SINGLE	77.5/117.5	-50	.04	8/2	1	3	REC/UH	16K	-12	73 5/26.7	197/-24	223/17:01:13	03:36.6	
		BB1 *	ISDR 1010	1001	9	0	0		101.42	36.72		DN0006/11	2			
		NEAR FIELD FINES AND DISTURBED AREA. BOOM PIN.														
12A125/021	08:09.59	SINGLE	227.5/290.0	0	.04	5/2	1	4	REC/UH	16K	-10	75 9/35.4	199/-32	223/17:41:13	05:36.5	
		BB4 *	ISDR 1575	1564	11	0	0		130.93	35.82		DN0006/12	2			
		ROCKS OUT TO HORIZON AND SOME DRIFTS.														
12A126/021	10.00:27	SINGLE	295 0/302.5	-30	.04	8/2	1	5	RT/SB	250	-2	81 0/59.7	205/-56	223/19:31.41	43:27.0	
		BB1	ISDR 188	189	6	7	1		61.25	30.92		DN0006/13	1			
		GRID														
11A127/021	15.12 30	SINGLE	202 5/335.0	-10	.04	13/2	1	4	RT/UH	16K	6	280 6/50.9	219/-53	224/00:43:44	11:46.0	
		BB3 *	ISDR 3308	0	0	6	1		113.02	39.48		DN0006/14	5			
		VIEW EXTENDING FROM DRIFTS TO RIGHT ACROSS POSSIBLE BEDROCK														
11A128/021	15:44 28	SINGLE	182.5/195.0	-50	.04	8/2	1	4	RT/UH	16K	8	282.1/43.9	221/-46	224/01:15:42	01:01.0	
		BB1 *	ISDR 286	0	0	28	1		40.57	19.87		DN0006/15	1			
		SAME AS 11A115 AND 11A120. UPPER PART OF LEG 3														
11A129/022	08:10.00	SINGLE	100.0/195.0	0	.04	5/2	1	4	REC/UH	16K	-12	76.0/35.4	16/-32	224/18:20:49	08.29.9	
		BB4 *	SDR 2384	2376	8	0	0		121.99	57.96		DN0007/01	3			
		DRIFT FIELD IN MORNING SUN														
11A130/022	10:10.27	SINGLE	295 0/305 0	-20	.04	13/2	1	4	RT/SB	250	-4	81.5/61.9	22/-59	224/20.21:17	44:27.0	
		BB3	ISDR 193	0	0	58	2		91.39	45.19		DN0007/02	1			
		PEBBLES IN NEAR FIELD														

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE	# OF EDR SEGMENTS						
11A131/022	13.22 00	SINGLE	150 0/192 5	-10	.04	13/2	1	4	REC/UH	16K	6	277.6/75.4	215/-78	224/23.32:49	03:49.9	
		BB3 *	ISDR 1075	1064	11	0	0		144.78	30 77		DN0007/03	2			
		VIEW OF BIG JOE AND OTHER SEDIMENT COVERED ROCKS NEAR HORIZON.														
11A132/022	15.09 59	SINGLE	195 0/327.5	-50	.04	8/2	1	4	RT/UH	16K	8	280.3/51.4	219/-54	225/01.20:49	11:46.0	
		BB1 *	ISDR 3306	0	0	8	3		100.59	52.66		DN0007/04	5			
		NEAR FIELD FINES DISTURBED SURFACE.														
11A133/022	15:41.58	SINGLE	237.5/250 0	-50	.04	8/2	1	4	RT/UH	16K	10	281.8/44.4	221/-47	225/01:52:47	01:01.0	
		BB1 *	ISDR 284	0	0	30	1		66.96	42.51		DN0007/05	1			
		PITS IN FINES NEAR S/C.														
12A134/023	05:50 00	SINGLE	85 0/100.0	-10	.12	1/3	1	3	REC/UH	16K	-15	66.3/ 5.7	189/ -3	225/16:40:24	00.29.9	
		BLU	ISDR 137	126	11	0	0		68.80	56.97		DN0007/06	1			
		BLUE SINGLET FOR MORNING FOG EXPERIMENT														
12A135/023	09·10 00	SINGLE	177 5/200 0	0	.04	5/2	1	4	REC/UH	16K	-8	79.1/48.5	203/-45	225/20·00.24	02·03.2	
		BB4 *	ISDR 576	564	12	0	0		143.74	25.27		DN0007/07	1			
		HI RES OF CRATER ON HORIZON														
12A136/023	15.07.17	SINGLE	30 0/162.5	-50	.04	8/2	1	4	RT/UH	16K	8	280 1/52.0	42/-54	226/01.57·42	11:46.0	
		BB1 *	ISDR 3308	0	0	6	1		94.47	46 73		DN0007/08	5			
		NEAR S/C CRACKED FLAT ROCK OR SOIL PROBABLY SWEPT CLEAN BY ENGINE BLAST. OTHER ENGINE RELATED FEATURES														
11A137/023	15.39·16	SINGLE	247.5/260 0	-50	.04	8/2	1	4	RT/UH	16K	8	281 6/45.0	220/-47	226/02:29:40	01:01.0	
		BB1 *	ISDR 284	0	0	30	1		59.03	39 19		DN0007/09	1			
		MOSTLY SHADOW														
11A138/024	09·19:59	SINGLE	182.5/230 0	-50	.04	8/2	1	4	REC/UH	16K	-8	79 7/50.7	20/-48	226/20:49.59	04:14.5	
		BB1 *	ISDR 1200	1189	11	0	0		88.09	34.61		DN0007/10	2			
		BURIED FOOTPAD 3 AND DISTURBED FINE SOIL														
12A139/024	09.36 27	SINGLE	105 0/115 0	-30	.04	13/2	1	4	RT/SB	250	-4	80.5/54.4	204/-51	226/21:06:27	44:27.0	
		BB3 *	ISDR 196	0	0	55	2		108.88	24.74		DN0007/11	1			
		TAKEN IN SEARCH FOR XRFS SAMPLE SITE														
12A140/024	15:04.26	SINGLE	5 0/145 0	-30	.04	0/2	1	4	RT/UH	16K	10	279.9/52.6	42/-55	227/02:34.26	11:46.0	
		BB2 *	ISDR 1183	0	0	2318	1		109.32	34.17		DN0007/12	5			
		TRENCH SEEN OVER METEOROLOGY BOOM HOUSING ABUNDANT ENGINE PITS. GOOD PICTURE OF NEAR FIELD ROCKS.														
		DIRECT VIEW OF BACKHOE MAGNET AFTER SAMPLE DELIVERY														
11A141/024	15·36.24	SINGLE	320.0/335 0	-30	.04	0/2	1	4	RT/UH	16K	8	281 4/45.6	220/-48	227/03.06:24	01:01.0	
		BB2 *	ISDR 284	0	0	92	1		71.89	40.81		DN0007/13	1			
		CAM 1 VIEW OF SCOOPED OUT ROCK														
11A142/025	05:44·59	SINGLE	292 5/335 0	-10	.04	5/2	1	3	REC/UH	16K	-15	66.0/ 4.6	5/ -2	227/17:54:34	03:47.9	
		BB4 *	ISDR 1065	1064	1	0	0		40.40	9.15		DN0007/14	2			
		FIELD OF ROCKS AND POSSIBLE OUTCROP.														

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CE LABEL	LLT	DIODE	AZIMUTH CENTER START/STOP	ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
11A143/025	14:59.39	SINGLE	155.0/202.5	-10	.04	5/2	1	4	RT/UH	16K	6	279.5/53.6	218/-56	228/03:09:14	04:20.0	
		BB4 *	ISDR 1218	1189	29	0	0		134.46	26.16		DN0007/15	2			
		BIG JOE WITH FRONT LIGHT, DRIFTS, AND BURIED BOULDERS														
11A144/025	15:30.27	SINGLE	155.0/210.0	-30	.04	0/2	1	4	RT/UH	16K	8	281.0/46.8	220/-49	228/03:40:02	04:10.0	
		BB2 *	ISDR 1170	0	0	206	1		95.12	40.39		DN0007/16	2			
		DISTURBED FINES NEAR S/C														
12A145/026	10.00.27	SINGLE	282.5/307.5	-30	.12	14/3	1	4	RT/SB	250	-2	81.7/59.7	206/-56	228/22:49:38	43:27.0	
		SURV	ISDR 190	0	0	19	3		120.75	62.05		DN0008/01	1			
		TOP OF LANDER AND GRID. RTC 1 IN SHADOW														
11A146/026	11.42.00	COLOR	35.0/ 40.0	-10	.12	1/1	1	4	REC/UH	16K	-2	81 9/82 3	27/-79	229/00:31:10	00:27.9	
		BLU	ISDR 42	0	0	1	1		114.93	45.50		DN0008/02	1			
		GRN	ISDR 41	0	0	2	1		129.87	45.84		DN0008/03	1			
		RED	ISDR 41	0	0	2	1		138.49	44.66		DN0008/04	1			
		COLOR OF CAMERA 1 RTC (RTC3).														
11A147/026	11.44.00	COLOR	205.0/305.0	-30	.12	1/1	1	4	REC/UH	16K	0	81 6/82 7	27/-79	229/00:33:10	08:54.5	
		BLU *	ISDR 833	0	0	1	1		81.24	31.95		DN0008/05	1			
		GRN *	ISDR 832	0	0	2	1		101.01	34.42		DN0008/06	1			
		RED *	ISDR 832	0	0	2	1		127.45	38.60		DN0008/07	1			
		COLOR OF TRENCH AREA OUT TO HORIZON														
11A148/026	11:59.00	IR	35.0/ 40.0	-10	.12	9/1	1	4	REC/UH	16K	2	76.5/86.0	27/-83	229/00:48:10	00:27.9	
		IR3	ISDR 42	0	0	1	1		109.31	38.80		DN0008/08	1			
		IR2	ISDR 42	0	0	1	1		113.11	40.33		DN0008/09	1			
		IR1	ISDR 41	0	0	2	1		123.20	43.48		DN0008/10	1			
		IR OF CAMERA 1 RTC (RTC3).														
11A149/026	12.01.00	IR	205.0/305.0	-30	.12	9/1	1	4	REC/UH	16K	2	75.1/86.5	27/-83	229/00:50:10	08:54.5	
		IR3	ISDR 833	0	0	1	1		100.57	31.33		DN0008/11	1			
		IR2	ISDR 831	0	0	3	2		103.69	32.14		DN0008/12	1			
		IR1 *	ISDR 832	0	0	2	1		116.65	35.44		DN0008/13	1			
		IR OF TRENCH AREA SAME AREA AS COLOR 11A147.														
11A150/026	12:16.00	SINGLE	35.0/ 40.0	-10	.12	14/3	1	4	REC/UH	16K	4	5.7/89.1	26/-87	229/01:05:10	00:10.1	
		SURV	ISDR 44	43	1	0	0		129.82	45.38		DN0008/14	1			
		SURVEY SINGLET OF RTC 3														
11A151/026	12:18.00	SINGLE	205.0/305.0	-30	.12	14/3	1	4	REC/UH	16K	6	343.0/88.9	25/-87	229/01:07:10	02:59.0	
		SURV	ISDR 836	834	2	0	0		122.27	36.09		DN0008/15	1			
		SURVEY SINGLET OF SCENE OF TRENCH TAKEN IN COLOR (11A147) AND IR (11A149).														
12A152/026	14:56.24	SINGLE	132.5/192.5	-30	.04	0/2	1	4	RT/UH	16K	8	279.3/54.3	41/-57	229/03:45:35	04:20.0	
		BB2 *	ISDR 1217	0	0	284	1		89.76	33.94		DN0008/16	2			
		AREA OF ROCKS NEAR SCOOPED OUT LOOKING ROCK														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
12A153/026	15:27.20	SINGLE	132.5/192.5	-10	.04	5/2	1	4	RT/UH	16K	10	280 7/47 5	43/-50	229/04:16:30	04:10.0	
		BB4 *	ISDR 1169	0	0	332	2		86.26	29.03		DN0008/17	2			
		ABUNDANT BLOCKS AND POSSIBLE OUTCROP														
11A154/027	07:20 00	SINGLE	30.0/100 0	0	.04	5/2	1	4	REC/UH	16K	-13	73 4/24.6	13/-22	229/20:48:45	06:14.5	
		BB4 *	ISDR 1751	1751	1	1	1		100.51	33.98		DN0008/18	3			
		HI RES OF HORIZON FEATURES														
12A155/027	07:30:00	SINGLE	217.5/227.5	0	.04	5/2	1	4	REC/UH	16K	-12	74.0/26.7	197/-24	229/20:58:45	00:54.6	
		BB4 *	ISDR 248	0	0	3	2		121.86	25.90		DN0008/19	1			
		HI RES OF PART OF HORIZON														
11A156/027	07:34.00	SINGLE	195.0/290.0	0	.04	5/2	1	4	REC/UH	16K	-13	74 3/27 6	14/-25	229/21.02:45	08:27.9	
		BB4 *	ISDR 2373	0	0	3	2		97 33	60.53		DN0008/20	3			
		GOOD IMAGE OF LARGE BLOCKS ON HORIZON AND SOME FEATURES OF DRIFTS														
11A157/027	07:50 00	SINGLE	290.0/310 0	0	.04	5/2	1	4	REC/UH	16K	-10	75.2/31.0	15/-28	229/21:18:45	01:47.9	
		BB4 *	ISDR 504	501	3	0	0		107.93	35.04		DN0008/21	1			
		DETAIL OF PART OF HORIZON														
11A158/027	08:00.00	SINGLE	310.0/327 5	0	.04	5/2	1	4	REC/UH	16K	-10	75 8/33.2	16/-30	229/21.28:45	01:34.6	
		BB4 *	ISDR 440	439	1	0	0		115.56	27.31		DN0008/22	1			
		AREA OF LIGHT SHADE POSSIBLE BEDROCK														
11A159/027	09:34 27	SINGLE	155 0/165.0	-10	.04	13/2	1	3	RT/SB	250	-4	80.7/53 9	21/-51	229/23.03:13	44:27.0	
		BB3 *	ISDR 194	0	0	57	1		145.98	65.98		DN0008/23	1			
		HI RES OF BIG JOE WITH SIDE LIGHTING														
12A160/027	10:42.00	COLOR	285.0/290.0	-20	.12	1/1	1	4	REC/UH	16K	-2	83 3/68 9	208/-66	230/00:10:45	00.27.9	
		BLU	ISDR 42	0	0	1	1		113.65	63.60		DN0008/24	1			
		GRN	ISDR 42	0	0	1	1		116.65	61 89		DN0008/25	1			
		RED	ISDR 41	0	0	2	1		133.99	61.82		DN0008/26	1			
		COLOR OF RTC1 MAGNET - FIRST COLOR OF MAGNET														
11A161/027	12 50.01	SINGLE	0/ 5.0	0	.12	8/3	1	4	REC/UH	16K	6	277 5/82.4	213/-85	230/02:18:47	00.10.1	D
		BB1	SDR 44	43	1	0	0		74.44	65.96		DN0008/27	1			
		CAMERA 1 SCAN VERIFICATION														
11A162/027	12:49 43	SINGLE	170.0/170.0	0		15/7	1	2	REC/UH	16K	6	/	/	230/02:18:29	0:18.0	
		CAL	SDR 61	0	0	0	0		.00	.00		DN0008/28	1			
		CALIBRATION														
12A163/027	12:52:00	SINGLE	.0/ 5.0	0	.12	8/3	1	4	REC/UH	16K	4	277.3/82 0	36/-84	230/02:20:45	00:10.1	
		BB1	SDR 44	43	1	0	0		56.27	30.62		DN0008/29	1			
		CAMERA 2 SCAN VERIFICATION														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV			EDR TAPE/FILE	# OF EDR SEGMENTS		
12A164/027	14.52.59	SINGLE	175.0/235.0	-10	.04	5/2	1	4	RT/UH	16K	8	279.0/55.1	41/-58	230/04:21:45	04:20.0	
		BB4 *	ISDR 1217	0	0	284	1		109.55	48 47			DN0008/30	2		
		ROCK FIELD														
12A165/027	15:23:54	SINGLE	220.0/280 0	0	.04	5/2	1	4	RT/UH	16K	10	280.4/48.2	43/-51	230/04:52:40	04:10.0	
		BB4 *	ISDR 1170	0	0	331	1		102 55	41 93			DN0008/31	2		
		HORIZON FEATURES OVER RTG2														
11A166/028	10:10.09	SINGLE	155.0/180.0	10	.12	1/3	1	5	RT/SB	250	-4	82.0/61.2	22/-58	231/00.18 30	44:27.0	
		BLU *	ISDR 194	0	0	15	1		80 65	35.92			DN0009/01	1		
		BLUE SINGLET FOR CLOUD STUDY. BIG JOE. NO CLOUDS														
12A167/028	11:41.41	COLOR	285.0/290.0	-20	.12	1/1	1	4	REC/UH	16K	2	81.8/81.6	210/-78	231/01:50:02	00.27.9	
		BLU	ISDR 42	0	0	1	1		109 35	64 13			DN0009/02	1		
		GRN	ISDR 42	0	0	1	1		111 25	61.67			DN0009/03	1		
		RED	ISDR 41	0	0	2	1		127.43	63.07			DN0009/04	1		
		CENTER RTC IN SHADOW (RTC1).														
12A168/028	11:43.41	COLOR	57.5/145.0	-30	.12	1/1	1	4	REC/UH	16K	2	81.5/82.1	210/-79	231/01:52:02	07:47.9	
		BLU *	ISDR 728	0	0	2	2		93.98	28 03			DN0009/05	1		
		GRN *	ISDR 727	0	0	3	2		101 49	30 05			DN0009/06	1		
		RED *	ISDR 728	0	0	2	1		126 53	35.57			DN0009/07	1		
		COLOR LOOKING OUT TO FRONT OF LANDER. CAN SEE PART OF CRACKED MATERIAL BENEATH LANDER.														
12A169/028	11:58:41	IR	285 0/290.0	-20	.12	9/1	1	4	REC/UH	16K	6	77.2/85 4	210/-82	231/02.07.02	00:27.9	
		IR3	ISDR 42	0	0	1	1		126 76	63.51			DN0009/08	1		
		IR2	ISDR 42	0	0	1	1		125.72	62.48			DN0009/09	1		
		IR1	ISDR 41	0	0	2	1		134.99	63 11			DN0009/10	1		
		IR OF CENTER RTC IN SHADOW														
12A170/028	12:00:41	IR	57.5/145 0	-30	.12	9/1	1	4	REC/UH	16K	6	76.0/85.8	210/-83	231/02:09:02	07:47.9	
		IR3	ISDR 729	0	0	1	1		98.23	27.62			DN0009/11	1		
		IR2	ISDR 727	0	0	3	2		96 52	27 68			DN0009/12	1		
		IR1 *	ISDR 728	0	0	2	1		110 89	31 16			DN0009/13	1		
		IR OF SAME AREA AS COLOR PICTURE 12A168 LOOKING TO FRONT OF LANDER.														
12A171/028	12.15.41	SINGLE	285 0/290.0	-20	.12	14/3	1	4	REC/UH	16K	8	35 8/88.8	210/-86	231/02.24.02	00:10.1	
		SURV	SDR 45	43	2	0	0		121.50	59.18			DN0009/14	1		
		CENTER RTC IN SHADOW.														
12A172/028	12:17:41	SINGLE	57.5/145 0	-30	.12	14/3	1	4	REC/UH	16K	10	14 0/89 0	209/-86	231/02.26:02	02:36.8	
		SURV	ISDR 732	730	2	0	0		115 94	31.94			DN0009/15	1		
		SURVEY TO ACCOMPANY COLOR 12A168 AND IR 12A170 OF AREA IN FRONT OF LANDER.														
11A173/028	14:49:34	SINGLE	10 0/ 60.0	0	.04	5/2	1	4	RT/UH	16K	10	278.8/56.2	216/-59	231/04:57:55	04:20.0	
		BB4 *	ISDR 1217	0	0	34	1		109.34	42.22			DN0009/16	2		
		DETAIL OF HORIZON TO REAR OF LANDER														

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
11A174/028	15.20.23	SINGLE	55 0/105.0	0	.04	5/2	1	4	RT/UH	16K	10	280 2/49.4	218/-52	231/05.28:44	04 10.0	
		BB4 *	ISDR 1170	0	0	81	1		105.55	62.22		DN0009/17	2			
		DETAIL OF HORIZON														
12A175/028	18:06 20	SINGLE	232.5/235 0	20	.04	4/2	1	1	REC/UH	16K	10	289.9/13.3	52/-16	231/08:14:41	00.14.6	
		SUN	SDR 65	64	1	0	0		59.90	5.20		DN0009/18	1			
		SUN DIODE FOR EXTINCTION STUDIES														
12A176/028	21.51·07	SINGLE	55.0/ 60.0	30	.04	1/2	1	2	REC/UH	16K	-2	316 3/-29	78/ 27	231/11:59:28	00.27.9	
		BLU	SDR 127	126	1	0	0		31.96	4.17		DN0009/19	1			
		PHOBOS														
12A177/028	22·11·46	SINGLE	47.5/ 52.5	20	.04	1/2	1	1	REC/UH	16K	-4	320 3/-32	81/ 30	231/12.20:07	00:27.9	
		BLU	SDR 127	126	1	0	0		61.44	6.40		DN0009/20	1			
		PHOBOS														
12A178/029	00.01 40	SINGLE	185.0/190.0	30	.04	1/2	1	0	REC/UH	16K	-8	0 9/-44	120/ 43	231/14:49:37	00:27.9	
		BLU	SDR 127	126	1	0	0		119.29	13.48		DN0010/01	1			
		DEIMOS														
12A179/029	02:01.40	SINGLE	190.0/195 0	30	.04	1/2	1	0	REC/UH	16K	-10	34.5/-36	155/ 37	231/16:49.36	00:27.9	
		BLU	SDR 127	126	1	0	0		118.31	11.25		DN0010/02	1			
		DEIMOS														
12A180/029	04·01 40	SINGLE	192.5/197 5	30	.04	1/2	1	0	REC/UH	16K	-13	55 5/-16	177/ 18	231/18.49:36	00:27.9	
		BLU	ISDR 128	126	2	0	0		119 76	11 51		DN0010/03	1			
		DEIMOS														
11A181/029	04:30 40	COLOR	177 5/177 5	10	.12	1/1	1	1	REC/UH	250	-13	59.0/-11	357/ 13	231/19:18:36	25:37.2	R
		BLU *	SDR 37	2	37	1	1		98.15	42 29		DN0010/04	1			
		GRN	SDR 38	2	37	0	0		98.53	41 66		DN0010/05	1			
		RED	SDR 37	2	37	1	1		97.16	39 39		DN0010/06	1			
		EARLY PRE DAWN RESCAN														
11A182/029	04:57.40	COLOR	182 5/182.5	10	.12	1/1	1	5	REC/UH	250	-13	62.0/-6 0	0/ 8	231/19:45:36	25.37.2	R
		BLU *	SDR 37	2	37	1	1		84.66	51.00		DN0010/07	1			
		GRN	SDR 37	2	37	1	1		79.33	49.37		DN0010/08	1			
		RED	SDR 37	2	37	1	1		66.86	42.01		DN0010/09	1			
		LATE PRE DAWN RESCAN														
12A183/029	05.39·40	SINGLE	75.0/100.0	0	.04	5/2	1	3	REC/UH	16K	-15	66 0/ 2.5	188/ -0	231/20·27:36	02:14.6	
		BB4 *	ISDR 629	626	3	0	0		63.11	33 39		DN0010/10	1			
		EARLY MORNING TO LOOK FOR GROUND FOG														
11A184/029	05:54:13	SINGLE	185.0/187.5	10	.04	4/2	1	0	REC/UH	16K	-12	67.2/ 5.5	6/ -3	231/20:42:09	00:14.6	
		SUN	SDR 65	64	1	0	0		112.93	3.13		DN0010/11	1			
		SUN DIODE AT VERY LOW SUN ELEVATION														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
12A185/029	06:09.40	SINGLE	75 0/100 0	0	.04	5/2	1	3	REC/UH	16K	-13	68.5/ 8.8	191/ -6	231/20:57:36	02:14.6	
		BB4 *	ISDR 624	0	0	2	1		116.78	70.03		DN0010/12	1			
		EARLY MORNING TO LOOK FOR GROUND FOG.														
11A186/029	06:21.43	SINGLE	187.5/190.0	20	.04	4/2	1	1	REC/UH	16K	-10	69 4/11.3	8/ -8	231/21:09:39	00:14.6	
		SUN	SDR 65	64	1	0	0		59.59	4.13		DN0010/13	1			
		SUN DIODE														
12A187/029	06:24.40	SINGLE	75.0/100.0	0	.04	5/2	1	3	REC/UH	16K	-13	69 7/11.9	192/ -9	231/21:12:36	02:14.6	
		BB4 *	ISDR 628	626	2	0	0		124.64	77.85		DN0010/14	1			
		GROUND FOG EXPERIMENT														
12A188/029	06:51:40	SINGLE	75.0/100 0	0	.04	5/2	1	3	REC/UH	16K	-12	71.6/17.7	194/-15	231/21:39:36	02:14.6	
		BB4 *	ISDR 628	626	2	0	0		88.07	46.07		DN0010/15	1			
		GROUND FOG EXPERIMENT														
11A189/029	07:21.40	SINGLE	192.5/195.0	30	.04	4/2	1	2	REC/UH	16K	-8	73 6/24.1	12/-21	231/22:09:36	00:14.6	
		SUN	ISDR 62	0	0	2	1		31.89	5.76		DN0010/16	1			
		SUN DIODE														
11A190/029	07:55.41	COLOR	222.5/230.0	-30	.12	1/1	1	4	REC/UH	16K	-8	75.7/31.5	15/-28	231/22:43:38	00:41.2	
		BLU	ISDR 62	0	0	2	1		47.51	22.49		DN0010/17	1			
		GRN	ISDR 62	0	0	2	1		57.40	22.91		DN0010/18	1			
		RED	ISDR 61	0	0	3	1		70.01	25.79		DN0010/19	1			
		PHOTOMETRIC STUDY														
11A191/029	07:55:23	SINGLE	170.0/170.0	0		7/7	1	2	REC/UH	16K	-8	/	/	231/22:43:20	0:18.0	
		CAL	SDR 59	0	0	0	0		.00	.00		DN0010/20	1			
		CALIBRATION														
11A192/029	07:59.40	IR	222 5/230.0	-30	.12	9/1	1	4	REC/UH	16K	-8	75.9/32.4	15/-29	231/22:47:36	00:41.2	
		IR3	ISDR 61	0	0	3	1		55.52	25.23		DN0010/21	1			
		IR2 *	ISDR 60	0	0	4	2		56.74	22 90		DN0010/22	1			
		IR1	ISDR 60	0	0	4	1		64.84	24.50		DN0010/23	1			
		IR PHOTOMETRY														
11A193/029	08:03:40	COLOR	185.0/187.5	-20	.12	1/1	1	4	REC/UH	16K	-6	76.1/33.2	15/-30	231/22:51:36	00:14.6	
		BLU	SDR 21	0	0	1	1		51.00	17 50		DN0010/24	1			
		GRN	SDR 21	0	0	1	1		61.14	20.84		DN0010/25	1			
		RED	SDR 20	0	0	2	1		77.87	24.84		DN0010/26	1			
		COLOR PHOTOMETRY														
11A194/029	08:05:40	IR	185.0/187.5	-20	.12	9/1	1	4	REC/UH	16K	-6	76.3/33.7	15/-31	231/22:53:36	00:14.6	
		IR3	SDR 21	0	0	1	1		60.60	18.65		DN0010/27	1			
		IR2	SDR 21	0	0	1	1		63.05	19.84		DN0010/28	1			
		IR1	SDR 20	0	0	2	1		72.67	22.59		DN0010/29	1			
		IR PHOTOMETRY														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
11A195/029	08.07.40	COLOR	300.0/302.5		-10	.12	1/1	1	4	REC/UH	16K	-6	76.4/34.1	15/-31	231/22.55:36	00:14.6
		BLU	SDR	21	0	0	1	1		87.79	40.03		DN0010/30	1		
		GRN	SDR	21	0	0	1	1		101.92	43.51		DN0010/31	1		
		RED	SDR	20	0	0	2	1		101 84	36 82		DN0010/32	1		
		COLOR PHOTOMETRY														
11A196/029	08·09·40	IR	300.0/302.5		-10	.12	9/1	1	4	REC/UH	16K	-6	76 5/34.5	16/-31	231/22:57:36	00·14.6
		IR3	SDR	21	0	0	1	1		75.48	24 69		DN0010/33	1		
		IR2	SDR	21	0	0	1	1		78.46	26 07		DN0010/34	1		
		IR1	SDR	20	0	0	2	1		86.35	29.60		DN0010/35	1		
		IR PHOTOMETRY														
11A197/029	08:11.40	COLOR	35.0/ 40.0		-10	.12	1/1	1	4	REC/UH	16K	-6	76 6/35.0	16/-32	231/22:59:36	00·27.9
		BLU	SDR	42	0	0	1	1		105.80	45.33		DN0010/36	1		
		GRN	SDR	42	0	0	1	1		113.14	47.54		DN0010/37	1		
		RED	SDR	42	0	0	1	1		112.44	49.39		DN0010/38	1		
		COLOR PHOTOMETRY														
11A198/029	08·13.40	IR	35.0/ 40.0		-10	.12	9/1	1	4	REC/UH	16K	-6	76 7/35.4	16/-32	231/23:01:36	00:27.9
		IR3	SDR	42	0	0	1	1		88.57	41.80		DN0010/39	1		
		IR2	SDR	41	0	0	2	1		91.50	44.19		DN0010/40	1		
		IR1	SDR	41	0	0	2	1		96.98	44.99		DN0010/41	1		
		CAMERA 1 RTC IN SUNLIGHT														
11A199/029	08:15:40	COLOR	275.0/277.5		-20	.12	1/1	1	4	REC/UH	16K	-6	76 8/35.9	16/-33	231/23:03:36	00:14.6
		BLU	SDR	20	0	0	2	2		70.69	50.15		DN0010/42	1		
		GRN	SDR	21	0	0	1	1		82.98	53.89		DN0010/43	1		
		RED	SDR	19	0	0	3	2		90.93	45.18		DN0010/44	1		
		COLOR PHOTOMETRY														
11A200/029	08:17:40	IR	275.0/277.5		-20	.12	9/1	1	4	REC/UH	16K	-6	76 9/36.3	16/-33	231/23:05:36	00.14.6
		IR3	SDR	21	0	0	1	1		67.68	30.79		DN0010/45	1		
		IR2	SDR	21	0	0	1	1		70.22	32 64		DN0010/46	1		
		IR1	SDR	20	0	0	2	1		79.82	36.43		DN0010/47	1		
		IR PHOTOMETRY														
11A201/029	08.17:54	SINGLE	170 0/170 0		0		15/7	1	2	REC/UH	16K	-4	/	/	231/23.05:50	0.18.0
		CAL	SDR	61	0	0	0	0		.00	.00		DN0010/48	1		
		CALIBRATION														
11A202/029	10.30 06	SINGLE	237.5/245.0		-50	.04	8/2	1	4	RT/SB	250	2	82.8/65.7	23/-62	232/01:18:03	43:27.0
		BB1 *	ISDR	192	189	6	3	1		120.71	20.47		DN0011/01	1		
		LOOK FOR CHANGE IN FRACTURE PATTERNS														
11A203/029	12.05:40	COLOR	222 5/230.0		-30	.12	1/1	1	4	REC/UH	16K	8	72.7/87 0	27/-84	232/02.53:36	00:41.2
		BLU	SDR	63	0	0	1	1		83.83	27.40		DN0011/02	1		
		GRN	SDR	62	0	0	2	1		107.82	29.35		DN0011/03	1		
		RED	SDR	62	0	0	2	1		140.03	28.02		DN0011/04	1		
		COLOR PHOTOMETRIC														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
11A204/029	12:09.40	IR	222 5/230.0		-30 .12	9/1	1	4	REC/UH	16K	8	66 1/87 8	27/-85	232/02:57:36	00:41.2	
		IR3	ISDR	63	0 0	1	1		112.74	27 14		DN0011/05	1			
		IR2	ISDR	62	0 0	2	1		115.29	26 95		DN0011/06	1			
		IR1	ISDR	62	0 0	2	1		130.35	27.37		DN0011/07	1			
		IR PHOTOMETRIC														
11A205/029	12.13 40	COLOR	185 0/187 5		-20 .12	1/1	1	4	REC/UH	16K	8	51 6/88 6	27/-86	232/03:01:36	00:14.6	
		BLU	SDR	21	0 0	1	1		92.66	35.73		DN0011/08	1			
		GRN	SDR	21	0 0	1	1		115 68	37.63		DN0011/09	1			
		RED	SDR	20	0 0	2	1		148.44	29.11		DN0011/10	1			
		COLOR PHOTOMETRIC														
11A206/029	12:15:40	IR	185 0/187 5		-20 .12	9/1	1	4	REC/UH	16K	8	37 0/88 9	27/-86	232/03.03:36	00.14.6	
		IR3	ISDR	21	0 0	1	1		118.18	23.52		DN0011/11	1			
		IR2	ISDR	21	0 0	1	1		122.50	24.00		DN0011/12	1			
		IR1	ISDR	20	0 0	2	1		136.64	25.69		DN0011/13	1			
		IR PHOTOMETRIC														
11A207/029	12:17·40	COLOR	300.0/302.5		-10 .12	1/1	1	4	REC/UH	16K	8	13 4/89.1	27/-86	232/03 05:36	00:14.6	
		BLU	ISDR	21	0 0	1	1		108.91	47.13		DN0011/14	1			
		GRN	ISDR	21	0 0	1	1		125.57	52 47		DN0011/15	1			
		RED	ISDR	20	0 0	2	1		132.53	47.82		DN0011/16	1			
		COLOR PHOTOMETRIC														
11A208/029	12:19·40	IR	300.0/302.5		-10 .12	9/1	1	4	REC/UH	16K	8	344 6/89 1	26/-87	232/03:07:36	00:14.6	
		IR3	SDR	21	0 0	1	1		106.41	36 67		DN0011/17	1			
		IR2	SDR	21	0 0	1	1		110.57	38.55		DN0011/18	1			
		IR1	SDR	20	0 0	2	1		117.79	41.30		DN0011/19	1			
		IR PHOTOMETRIC														
11A209/029	12:21.40	COLOR	275.0/277.5		-20 .12	1/1	1	4	REC/UH	16K	8	321 7/88 9	26/-87	232/03.09:36	00:14.6	
		BLU	SDR	21	0 0	1	1		95.87	38.90		DN0011/20	1			
		GRN	SDR	21	0 0	1	1		116.95	40 75		DN0011/21	1			
		RED	SDR	20	0 0	2	1		137.60	37.34		DN0011/22	1			
		COLOR PHOTOMETRIC														
11A210/029	12:23·40	IR	275.0/277 5		-20 .12	9/1	1	4	REC/UH	16K	8	307 6/88 6	25/-88	232/03:11:36	00:14.6	
		IR3	ISDR	21	0 0	1	1		109 37	30.44		DN0011/23	1			
		IR2	ISDR	21	0 0	1	1		112.97	31.12		DN0011/24	1			
		IR1	ISDR	20	0 0	2	1		124.76	33.22		DN0011/25	1			
		IR PHOTOMETRIC														
12A211/029	14:45.47	SINGLE	120 0/180.0		0 .04	5/2	1	4	RT/UH	16K	10	278.6/57 0	40/-60	232/05:33:43	04:20.0	
		B84 *	ISDR	1217	0 0	284	1		140.81	46.20		DN0011/26	2			
		DETAIL OF HORIZON, POSSIBLE BEDROCK														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
12A212/029	15:16 42	SINGLE	85 0/145.0	0	.04	5/2	1	4	RT/UH	16K	10	279 9/50.2	42/-53	232/06:04:39	04:10.0	
		BB4 *	ISDR 1170	0	0	331	1		133 65	28.40		DN0011/27	2			
		LARGE BLOCKS ON MOUND AT HORIZON. SMALL DRIFTS IN NEAR TO MID FIELD														
11A213/029	15:55 40	COLOR	222.5/230 0	-30	.12	1/1	1	4	REC/UH	16K	10	281.8/41 5	220/-44	232/06:43:36	00:41.2	
		BLU	SDR 63	0	0	1	1		86 57	24 78		DN0011/28	1			
		GRN	SDR 62	0	0	2	1		107.16	35.49		DN0011/29	1			
		RED	SDR 62	0	0	2	1		120.58	50.57		DN0011/30	1			
		PHOTOMETRIC STUDY														
11A214/029	15.58 40	IR	222 5/230 0	-30	.12	9/1	1	4	REC/UH	16K	10	281 9/40.9	220/-43	232/06:46:36	00:41.2	
		IR3	ISDR 63	0	0	1	1		95.06	35.84		DN0011/31	1			
		IR2	ISDR 62	0	0	2	1		96.46	37.62		DN0011/32	1			
		IR1	ISDR 62	0	0	2	1		105.79	44.65		DN0011/33	1			
		PHOTOMETRIC STUDY														
11A215/029	16 01 40	COLOR	300 0/302 5	-10	.12	1/1	1	4	REC/UH	16K	10	282.1/40 2	220/-43	232/06:49:36	00:14.6	
		BLU	ISDR 21	0	0	1	1		94 83	38.68		DN0011/34	1			
		GRN	ISDR 21	0	0	1	1		109 54	43.27		DN0011/35	1			
		RED	ISDR 20	0	0	2	1		107 45	37.21		DN0011/36	1			
		PHOTOMETRIC STUDY														
11A216/029	16:03 40	IR	300 0/302.5	-10	.12	9/1	1	4	REC/UH	16K	10	282 2/39 8	220/-42	232/06:51:36	00:14.6	
		IR3	SDR 21	0	0	1	1		87 77	30.30		DN0011/37	1			
		IR2	SDR 21	0	0	1	1		90.55	31 71		DN0011/38	1			
		IR1	SDR 20	0	0	2	1		95.21	32.48		DN0011/39	1			
		PHOTOMETRIC STUDY														
11A217/029	16·27·40	COLOR	222.5/230.0	-30	.12	1/1	1	4	REC/UH	16K	10	283.5/34 5	222/-37	232/07:15:36	00:41.2	
		BLU	ISDR 63	0	0	1	1		80.40	27.29		DN0011/40	1			
		GRN	ISDR 62	0	0	2	1		95.76	39.64		DN0011/41	1			
		RED	ISDR 62	0	0	2	1		105.20	52.29		DN0011/42	1			
		PHOTOMETRIC STUDY														
11A218/029	16.30 40	IR	222 5/230.0	-30	.12	9/1	1	4	REC/UH	16K	12	283 7/33.8	222/-36	232/07:18.36	00:41.2	
		IR3	ISDR 63	0	0	1	1		83.56	37.43		DN0011/43	1			
		IR2	ISDR 62	0	0	2	1		84.75	38 79		DN0011/44	1			
		IR1	ISDR 62	0	0	2	1		92.11	45.19		DN0011/45	1			
		PHOTOMETRIC STUDY														
11A219/029	16 33 40	COLOR	185 0/187 5	-20	.12	1/1	1	4	REC/UH	16K	12	283 8/33 2	222/-36	232/07.21:36	00:14.6	
		BLU	SDR 21	0	0	1	1		77.28	27.43		DN0012/01	1			
		GRN	SDR 21	0	0	1	1		91.46	32.74		DN0012/02	1			
		RED	SDR 20	0	0	2	1		99.77	40.58		DN0012/03	1			
		PHOTOMETRIC STUDY														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
11A220/029	16:35.40	IR	185.0/187 5	-20	.12	9/1	1	4	REC/UH	16K	12	284.0/32.8	222/-35	232/07:23:36	00:14.6	
		IR3	SDR 21	0	0	1	1		80 35	29.34		DN0012/04	1			
		IR2	SDR 21	0	0	1	1		81.52	31.48		DN0012/05	1			
		IR1	SDR 20	0	0	2	1		89.58	36 11		DN0012/06	1			
		PHOTOMETRIC STUDY														
11A221/029	16.37.40	COLOR	300.0/302.5	-10	.12	1/1	1	4	REC/UH	16K	12	284.1/32.3	222/-35	232/07:25:36	00:14.6	
		BLU	ISDR 21	0	0	1	1		88.07	37 94		DN0012/07	1			
		GRN	ISDR 21	0	0	1	1		100.88	42.68		DN0012/08	1			
		RED	ISDR 20	0	0	2	1		95.36	36.31		DN0012/09	1			
		PHOTOMETRIC STUDY														
11A222/029	16:39.40	IR	300.0/302.5	-10	.12	9/1	1	4	REC/UH	16K	12	284 2/31.9	222/-34	232/07:27:36	00:14.6	
		IR3	SDR 21	0	0	1	1		77 93	28.58		DN0012/10	1			
		IR2	SDR 21	0	0	1	1		80.48	30.11		DN0012/11	1			
		IR1	SDR 20	0	0	2	1		83.94	30.58		DN0012/12	1			
		PHOTOMETRIC STUDY														
11A223/029	16:41 40	COLOR	275.0/277.5	-20	.12	1/1	1	4	REC/UH	16K	12	284.3/31.4	222/-34	232/07:29:36	00.14.6	
		BLU	SDR 21	0	0	1	1		72.23	33.74		DN0012/13	1			
		GRN	SDR 21	0	0	1	1		83.50	36.07		DN0012/14	1			
		RED	SDR 20	0	0	2	1		91.51	35.33		DN0012/15	1			
		PHOTOMETRIC STUDY														
11A224/029	16:43.40	IR	275.0/277.5	-20	.12	9/1	1	4	REC/UH	16K	12	284.4/31.0	223/-34	232/07:31:36	00:14.6	
		IR3	SDR 21	0	0	1	1		72.01	26.14		DN0012/16	1			
		IR2	SDR 21	0	0	1	1		73 89	27.16		DN0012/17	1			
		IR1	SDR 20	0	0	2	1		81.11	30.38		DN0012/18	1			
		PHOTOMETRIC STUDY														
11A225/029	17.26·41	COLOR	222 5/230.0	-30	.12	1/1	1	4	REC/UH	16K	12	287.1/21.7	225/-24	232/08:14:37	00:41.2	
		BLU	ISDR 63	0	0	1	1		66.87	27.61		DN0012/19	1			
		GRN	ISDR 62	0	0	2	1		72.15	38.98		DN0012/20	1			
		RED	ISDR 62	0	0	2	1		71.57	45.67		DN0012/21	1			
		PHOTOMETRIC STUDY														
11A226/029	17:26.23	SINGLE	170 0/170 0	0		15/7	1	2	REC/UH	16K	12	/	/	231/08:14:19	0:18.0	
		CAL	SDR 61	0	0	0	0		.00	.00		DN0012/22	1			
		PHOTOMETRIC STUDY														
11A227/029	17:30.40	IR	222 5/230 0	-30	.12	9/1	1	4	REC/UH	16K	12	287.3/20.8	226/-23	232/08:18:36	00:41.2	
		IR3	ISDR 63	0	0	1	1		59.48	32.34		DN0012/23	1			
		IR2	ISDR 62	0	0	2	1		59.79	33.29		DN0012/24	1			
		IR1	ISDR 62	0	0	2	1		62.72	37.79		DN0012/25	1			
		PHOTOMETRIC STUDY														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV	EDR TAPE/FILE	# OF EDR SEGMENTS				
11A228/029	17.33.40	COLOR	185 0/187.5	-20	.12	1/1	1	4	REC/UH	16K	12	287.5/20 2	226/-23	232/08:21:36	00:14.6	
		BLU	ISDR 21	0	0	1	1		63.06	24 72		DN0012/26	1			
		GRN	ISDR 21	0	0	1	1		73.79	27.70		DN0012/27	1			
		RED	ISDR 20	0	0	2	1		73.06	31.00		DN0012/28	1			
		PHOTOMETRIC STUDY														
11A229/029	17.35.40	IR	185 0/187.5	-20	.12	9/1	1	4	REC/UH	16K	12	287.7/19.8	226/-22	232/08.23:36	00:14.6	
		IR3	ISDR 21	0	0	1	1		59.95	20.28		DN0012/29	1			
		IR2	ISDR 21	0	0	1	1		60.73	21.83		DN0012/30	1			
		IR1	ISDR 20	0	0	2	1		64.89	25.88		DN0012/31	1			
		PHOTOMETRIC STUDY														
11A230/029	17.37.40	COLOR	300 0/302.5	-10	.12	1/1	1	4	REC/UH	16K	12	287.8/19 3	226/-22	232/08:25:36	00.14.6	
		BLU	ISDR 21	0	0	1	1		74.12	37 07		DN0012/32	1			
		GRN	ISDR 21	0	0	1	1		83.47	40.67		DN0012/33	1			
		RED	ISDR 20	0	0	2	1		75.25	30.70		DN0012/34	1			
		PHOTOMETRIC STUDY														
11A231/029	17 39·40	IR	300 0/302 5	-10	.12	9/1	1	4	REC/UH	16K	10	288 0/18.9	226/-21	232/08:27:36	00:14.6	
		IR3	SDR 21	0	0	1	1		61.73	23.37		DN0012/35	1			
		IR2	SDR 21	0	0	1	1		63 49	24.44		DN0012/36	1			
		IR1	SDR 20	0	0	2	1		65 70	24.07		DN0012/37	1			
		PHOTOMETRIC STUDY														
11A232/029	17.41 40	COLOR	275 0/277 5	-20	.12	1/1	1	4	REC/UH	16K	12	288.1/18.5	226/-21	232/08:29:36	00·14.6	
		BLU	SDR 21	0	0	1	1		60.49	28 41		DN0012/38	1			
		GRN	SDR 21	0	0	1	1		68 16	30.00		DN0012/39	1			
		RED	SDR 20	0	0	2	1		64.93	30.50		DN0012/40	1			
		PHOTOMETRIC STUDY														
11A233/029	17 43 40	IR	275.0/277.5	-20	.12	9/1	1	4	REC/UH	16K	10	288 2/18.0	226/-21	232/08:31:36	00:14.6	
		IR3	SDR 21	0	0	1	1		54.78	19.49		DN0012/41	1			
		IR2	SDR 21	0	0	1	1		54.59	21.30		DN0012/42	1			
		IR1	SDR 20	0	0	2	1		57.20	24.53		DN0012/43	1			
		PHOTOMETRIC STUDY														
11A234/029	17:43·54	SINGLE	170.0/170.0	0		15/7	1	2	REC/UH	16K	12	/	/	232/08.31.50	0:18.0	
		CAL	SDR 61	0	0	0	0		.00	.00		DN0012/44	1			
		CALIBRATION														
12A235/029	17·45 40	SINGLE	140.0/290.0	0	.04	5/2	1	3	REC/UH	16K	10	288 4/17.6	51/-20	232/08:33.36	13·21.2	
		BB4 *	ISDR 3746	0	0	5	2		78.01	46.00		DN0012/45	5			
		DETAIL OF HORIZON INCLUDING POSSIBLE CRATER														
12A236/030	10:00.07	SINGLE	125 0/132 5	-50	.04	8/2	1	4	RT/SB	250	-2	81.9/59.0	206/-56	233/01:27:39	43:27.0	
		BB1 *	SDR 189	189	1	1	1		101.13	26.32		DN0013/01	1			
		VARIABLE FEATURES IMAGE OF NEAR FIELD IMAGE NEAR FP3														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
12A237/030	14 41 02	SINGLE	157 5/217.5	0	.04	5/2	1	4	RT/UH	16K	10	278.2/58 0	40/-61	233/06.08:33	04:20.0	
		BB4 *	ISDR 1219	0	0	282	1		129.88	61.15		DN0013/02	2			
		DETAIL OF HORIZON AND POSSIBLE HORIZON CRATER														
12A238/030	15·11·57	SINGLE	172.5/232.5	-20	.04	0/2	1	4	RT/UH	16K	10	279.6/51.2	41/-54	233/06:39:29	05:20.0	
		BB2 *	ISDR 1499	0	0	2	1		95.31	41.21		DN0013/03	2			
		HI RES OF PART OF NEAR FIELD														
12A239/030	18.47 59	COLOR	130 0/190.0	-20	.12	1/1	1	1	REC/UH	16K	8	293 1/ 4.4	55/ -7	233/10:15·31	05.21.2	
		BLU	ISDR 500	0	0	1	1		95.81	26.69		DN0013/04	1			
		GRN	ISDR 500	0	0	1	1		101.24	29.31		DN0013/05	1			
		RED *	ISDR 499	0	0	2	1		114 19	27.79		DN0013/06	1			
		COLOR NEAR SUNSET														
12A240/030	19·12 59	COLOR	130.0/250.0	0	.12	1/1	1	5	REC/UH	16K	6	295 3/-0.7	58/ -2	233/10:40.31	10:41.2	
		BLU *	ISDR 998	0	0	3	2		68 22	49.27		DN0013/07	2			
		GRN	ISDR 999	0	0	2	1		57.74	38.55		DN0013/08	2			
		RED *	ISDR 999	0	0	2	1		45.31	23.13		DN0013/09	2			
		SUNSET PICTURE														
12A241/031	08·30 27	SINGLE	125.0/132.5	-50	.04	8/2	1	4	RT/SB	250	-8	77 8/39.1	201/-36	234/00.37:34	43:27.0	
		BB1 *	SDR 184	189	1	6	1		83.34	28.48		DN0013/10	1			
		VARIABLE FEATURES EXPERIMENT														
12A242/031	13.39 59	SINGLE	285 0/290.0	-20	.04	8/2	1	3	REC/UH	16K	8	276.1/71.7	37/-74	234/05.47:06	00·27.9	
		BB1	SDR 127	126	1	0	0		143.66	50 25		DN0013/11	1			
		MIDDLE RTC WITH MAGNET														
12A243/031	13·49 59	SINGLE	102.5/112.5	-30	.04	0/2	1	4	REC/UH	16K	10	276.3/69.4	37/-72	234/05.57:06	00.54.6	
		BB2 *	SDR 253	251	2	0	0		115.77	21 53		DN0013/12	1			
		HI RES OF GCMS SAMPLE SITE														
12A244/031	13 54 59	COLOR	102.5/112.5	-30	.12	1/1	1	4	REC/UH	16K	10	276 4/68 3	37/-71	234/06:02:06	00:54.6	
		BLU *	SDR 84	0	0	0	0		94 48	20.53		DN0013/13	1			
		GRN *	SDR 83	0	0	1	1		102.01	20 86		DN0013/14	1			
		RED *	SDR 83	0	0	1	1		128.39	24.13		DN0013/15	1			
		COLOR OF GCMS SAMPLE SITE														
12A245/031	13 56 59	IR	102.5/112.5	-30	.12	9/1	1	4	REC/UH	16K	10	276 5/67.8	37/-70	234/06.04:06	00:54.6	
		IR3	ISDR 84	0	0	0	0		98 39	19.79		DN0013/16	1			
		IR2	ISDR 83	0	0	1	1		96.28	19 94		DN0013/17	1			
		IR1 *	ISDR 83	0	0	1	1		111.68	22.78		DN0013/18	1			
		IR OF GCMS SAMPLE SITE														
12A246/031	13.58 59	SINGLE	102.5/112.5	-30	.12	14/3	1	4	REC/UH	16K	10	276.5/67.4	37/-70	234/06:06:06	00:19.0	
		SURV	SDR 86	84	2	0	0		113.79	22 44		DN0013/19	1			
		SURVEY SINGLET OF GCMS SAMPLE SITE														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
12A247/031	14·00 59	COLOR	285 0/290.0	-20	.12	1/1	1	4	REC/UH	16K	10	276 6/67.0	38/-69	234/06:08:06	00.27.9	
		BLU	SDR 42	0	0	1	1		117.70	65.07		DN0013/20	1			
		GRN	SDR 42	0	0	1	1		119.86	62 85		DN0013/21	1			
		RED	SDR 41	0	0	2	1		134.81	60.95		DN0013/22	1			
		MIDDLE TEST CHART WITH MAGNET														
12A248/031	14 02 59	IR	285 0/290 0	-20	.12	9/1	1	4	REC/UH	16K	10	276 7/66 5	38/-69	234/06:10:06	00:27.9	
		IR3	SDR 42	0	0	1	1		114.78	51 93		DN0013/23	1			
		IR2	SDR 41	0	0	2	1		112.87	51.19		DN0013/24	1			
		IR1	SDR 41	0	0	2	1		121.53	53.42		DN0013/25	1			
		MIDDLE TEST CHART WITH MAGNET														
12A249/031	14·04 59	SINGLE	285.0/290.0	-20	.12	14/3	1	4	REC/UH	16K	10	276 7/66.1	38/-69	234/06:12:06	00·10.1	
		SURV	SDR 44	43	1	0	0		125.26	59.58		DN0013/26	1			
		SURVEY OF MIDDLE TEST CHART														
11A250/031	14.38.28	SINGLE	100 0/160 0	0	.04	5/2	1	4	RT/UH	16K	8	278 0/58 6	215/-61	234/06.45:34	04:20.0	
		BB4 *	ISDR 1217	0	0	284	1		143.25	41.40		DN0013/27	2			
		DRIFTS AND BLOCKS OUT TO HORIZON														
11A251/031	15.09 23	SINGLE	127.5/187 5	-10	.04	5/2	1	4	RT/UH	16K	20	279.3/51 7	217/-54	234/07:16:30	05·20.0	
		BB4 *	ISDR 1501	0	0	0	0		120.17	38.03		DN0013/28	2			
		BIG JOE AREA WITH GOOD LIGHT														
12A252/031	16 59.59	SINGLE	25 0/ 30.0	-20	.04	8/2	1	3	REC/UH	16K	12	285.2/27 4	47/-30	234/09:07:06	00:27.9	
		BB1	SDR 127	126	1	0	0		163.17	70 33		DN0013/29	1			
		'DIRECT VIEW OF BACKHOE MAGNET IN SUNLIGHT														
11A253/032	11·28 27	SINGLE	205 0/207.5	-40	.04	8/2	1	4	RT/SB	250	4	84 4/78 8	27/-76	235/04:15:09	43.27.0	
		BB1 *	ISDR 189	64	126	1	1		122 07	18 73		DN0014/01	1			
		EXPERIMENT TO MEASURE FACET SIZE														
11A254/032	13 54·59	SINGLE	150 0/190.0	-10	04	5/2	1	4	REC/UH	16K	12	276 2/68.3	213/-71	235/06:41:41	03:34.6	
		BB4 *	ISDR 1003	1001	2	0	0		139.22	27 39		DN0014/02	2			
		BIG JOE AND DRIFT COVERED BLOCKS IN BACKGROUND GOOD ILLUMINATION														
12A255/032	14 31·43	SINGLE	290 0/335.0	0	.04	5/2	1	4	RT/UH	16K	8	277 6/60.0	39/-63	235/07:18:25	04:20.0	
		BB4 *	ISDR 1218	1126	92	0	0		132.52	51.57		DN0014/03	2			
		AREA OF SMALL DRIFTS AND BLOCKS														
128000/032	15 07·29	SINGLE	250.0/310.0	0	04	5/2	1	4	RT/UH	16K	-6	279.1/52.1	41/-55	235/07:54:11	05.20.0	
		BB4 *	ISDR 1090	0	0	411	1		132.46	60 58		DN0014/04	2			
		IMAGE USABLE FROM CACCS AIMUTH 250 TO 280.														
118001/032	23 08 25	SINGLE	232 5/237.5	30	.04	10/2	1	0	REC/UH	16K	-6	333 4/-40	270/ 38	235/15.55:07	00.27.9	
		IR2	SDR 127	126	1	0	0		120.58	11 30		DN0014/05	1			
		PHOBOS														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
11B002/032	23:09.57	SINGLE RED PHOBOS	232.5/237.5 SDR 127	30 126	.04 1	3/2 0	1 0	0	REC/UH 120.72	16K 4.01	-6	333 8/-40 DN0014/06	270/ 38 1	235/15:56:39	00:27.9	
11B003/032	23:11 29	SINGLE BLU PHOBOS	232.5/237.5 ISDR 128	30 126	.04 2	1/2 0	1 0	1	REC/UH 57.70	16K 17.17	-6	334 2/-40 DN0014/07	271/ 38 1	235/15:58:11	00:27.9	
11B004/032	23:13.01	SINGLE IR3 PHOBOS	232.5/235.0 SDR 65	30 64	.04 1	9/2 0	1 0	0	REC/UH 139 58	16K 7.14	-6	334.7/-40 DN0014/08	271/ 38 1	235/15:59:43	00:14.6	
11B005/032	23:14.33	SINGLE IR1 PHOBOS	230.0/235.0 SDR 128	30 126	.04 2	11/2 0	1 0	0	REC/UH 120.01	16K 8.53	-6	335.1/-40 DN0014/09	271/ 38 1	235/16.01:15	00:27.9	
11B006/032	23:16.05	SINGLE SURV PHOBOS	230.0/235.0 SDR 128	20 126	.04 2	14/2 0	1 0	0	REC/UH 119.63	16K 4.38	-6	335.5/-40 DN0014/10	272/ 38 1	235/16:02:47	00:27.9	
11B007/032	23:18.25	SINGLE IR2 PHOBOS	230.0/235.0 ISDR 128	20 126	.04 2	10/2 0	1 0	0	REC/UH 122.96	16K 11.30	-6	336 1/-41 DN0014/11	272/ 39 1	235/16:05:07	00:27.9	
11B008/032	23:19.57	SINGLE RED PHOBOS	230.0/232 5 SDR 65	20 64	.04 1	3/2 0	1 0	0	REC/UH 117.74	16K 3.84	-6	336.5/-41 DN0014/12	273/ 39 1	235/16:06:39	00:14.6	
11B009/032	23:21:29	SINGLE BLU PHOBOS	227.5/232.5 SDR 128	20 126	.04 2	1/2 0	1 0	1	REC/UH 65.46	16K 17.71	-6	336.9/-41 DN0014/13	273/ 39 1	235/16.08:11	00:27.9	
11B010/032	23:23.25	SINGLE GRN PHOBOS	227.5/232 5 SDR 128	20 126	.04 2	2/2 0	1 0	0	REC/UH 120.13	16K 10.55	-6	337.5/-41 DN0014/14	274/ 39 1	235/16:10:07	00:27.9	
11B011/032	23:27.25	SINGLE IR2 PHOBOS	227.5/230.0 SDR 65	20 64	.04 1	10/2 0	1 0	0	REC/UH 122.71	16K 10.18	-6	338.6/-41 DN0014/15	275/ 40 1	235/16:14.07	00:14.6	
11B012/032	23:28.57	SINGLE RED PHOBOS	225 0/230.0 ISDR 128	20 126	.04 2	3/2 0	1 0	0	REC/UH 120.35	16K 3.95	-6	339.0/-42 DN0014/16	275/ 40 1	235/16:15:39	00:27.9	
11B013/032	23.30:29	SINGLE BLU PHOBOS	225.0/230 0 ISDR 128	20 126	.04 2	1/2 0	1 0	0	REC/UH 118.83	16K 34.04	-6	339.5/-42 DN0014/17	276/ 40 1	235/16:17:11	00:27.9	

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VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
11B014/032	23.30 56	SINGLE	170.0/170 0	0		15/7	1	2	REC/UH	16K	-6	/	/	235/16:17:37	0:18.0	
		CAL	SDR 61	0	0	0	0		.00	.00		DN0014/18	1			
		CALIBRATION														
11B015/033	09:36·26	COLOR	212 5/222.5	-30	.12	1/1	1	4	RT/SB	250	-6	81 3/53 8	21/-51	236/03:02:44	44.27.0	
		BLU *	ISDR 68	0	0	16	1		70 59	34.51		DN0014/19	1			
		GRN *	ISDR 68	0	0	16	1		85.03	32.90		DN0014/20	1			
		RED *	ISDR 67	0	0	17	1		109.09	35.47		DN0014/21	1			
		COLOR OF TRENCH														
12B016/033	14.27 15	SINGLE	260.0/320 0	-10	.04	13/2	1	4	RT/UH	16K	8	277 2/61.0	39/-64	236/07:53:32	04.20.0	
		BB3 *	ISDR 1217	0	0	284	1		104.86	46.40		DN0014/22	2			
		NEAR ROCKS AND ASSOCIATED SMALL DRIFTS														
12B017/033	15:03 00	SINGLE	142 5/202.5	-50	.04	8/2	1	4	RT/UH	16K	10	278 8/53.0	40/-56	236/08:29:18	05:20.0	
		BB1 *	ISDR 951	0	0	550	1		62.39	34.91		DN0014/23	2			
		FOOTPAD 3.USEFUL DATA FROM CACCS AZIUTH 143 TO 167.														
11B018/034	09:04 27	COLOR	212.5/222 5	-30	.12	1/1	1	4	RT/SB	250	-8	79 9/46.7	19/-44	237/03:10.20	44:27.0	
		BLU *	ISDR 64	0	0	20	1		62 33	26.18		DN0015/01	1			
		GRN *	ISDR 6[illegible]	0	0	20	1		76.40	27.62		DN0015/02	1			
		RED *	ISDR 64	0	0	20	1		97.51	31.59		DN0015/03	1			
		NOISY COLOR PICTURE OF TRENCH														
11B019/034	10:42 52	SINGLE	290 0/300.0	-30	.04	0/2	1	4	REC/UH	16K	2	84.3/68 7	25/-65	237/04·48:44	00:54.6	
		BB2 *	SDR 252	251	1	0	0		108 67	33 13		DN0015/04	1			
		DIRECT VIEW OF BACKHOE MAGNET ARRAY AND COLLECTOR														
11B020/034	11·42 52	SINGLE	290.0/300.0	-30	.04	0/2	1	4	REC/UH	16K	4	84 9/82.1	29/-79	237/05.48:44	00:54.6	
		BB2 *	SDR 253	251	2	0	0		111 87	34.64		DN0015/05	1			
		DIRECT VIEW OF BACKHOE MAGNET ARRAY AND COLLECTOR														
12B021/034	12·20 00	COLOR	145.0/170 0	-30	.12	1/1	1	4	REC/UH	16K	4	315 3/89 3	219/-87	237/06:25:52	02.14.6	
		BLU *	ISDR 208	0	0	1	1		95.51	30.77		DN0015/06	1			
		GRN *	ISDR 207	0	0	2	1		101.91	33.81		DN0015/07	1			
		RED *	ISDR 207	0	0	2	1		124 12	39 46		DN0015/08	1			
		COLOR OF AREA ABOVE FOOTPAD 3														
12B022/034	12·24 00	IR	145 0/170 0	-30	.12	9/1	1	4·	REC/UH	16K	6	289 4/88 5	223/-88	237/06:29:52	02:14.6	
		IR3	SDR 209	0	0	0	0		94 44	31.10		DN0015/09	1			
		IR2	SDR 208	0	0	1	1		92 85	30 76		DN0015/10	1			
		IR1 *	SDR 208	0	0	1	1		106.87	35.16		DN0015/11	1			
		IR TO ACCOMPANY 12B021														
12B023/034	12:28.00	SINGLE	145.0/170.0	-30	.12	14/3	1	4	REC/UH	16K	6	282 3/87.7	237/-89	237/06:33:52	00:45.7	
		SURV	SDR 211	209	2	0	0		109.99	35.89		DN0015/12	1			
		SURVEY TO ACCOMPANY 12B021 AND 12B023														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
12B024/034	12:32 00	COLOR	170 0/197.5	0	.12	1/1	1	4	REC/UH	16K	6	279.2/86.8	348/-89	237/06:37:52	02:27.9	
		BLU *	ISDR 230	0	0	0	0		142.89	54.66		DN0015/13	1			
		GRN *	ISDR 230	0	0	0	0		136.09	44.57		DN0015/14	1			
		RED *	ISDR 229	0	0	1	1		142.51	36.84		DN0015/15	1			
		COLOR OF AREA ABOVE LEG 3														
12B025/034	12:36 00	IR	170 0/197.5	0	.12	9/1	1	4	REC/UH	16K	6	277.5/85.9	20/-88	237/06:41:52	02:27.9	
		IR3	ISDR 229	0	0	1	1		112.48	30.77		DN0015/16	1			
		IR2	ISDR 228	0	0	2	1		112.08	30.49		DN0015/17	1			
		IR1 *	ISDR 228	0	0	2	1		126.04	33.11		DN0015/18	1			
		IR TO ACCOMPANY 12B024														
12B026/034	12.40 00	SINGLE	170 0/197.5	0	.12	14/3	1	4	REC/UH	16K	8	276.5/85.0	26/-87	237/06:45:52	00:50.1	
		SURV *	ISDR 226	0	0	4	1		134 45	36.27		DN0015/19	1			
		SURVEY TO ACCOMPANY 12B024 AND 12B025														
12B027/034	12:44 00	COLOR	102 5/112 5	-30	.12	1/1	1	4	REC/UH	16K	8	275.8/84.1	29/-87	237/06:49:52	00:54.6	
		BLU *	SDR 84	0	0	0	0		96.83	22.46		DN0015/20	1			
		GRN *	SDR 83	0	0	1	1		104.62	22.73		DN0015/21	1			
		RED *	SDR 83	0	0	1	1		132.48	25.68		DN0015/22	1			
		COLOR OF TRENCH														
12B028/034	12:46.00	IR	102.5/112.5	-30	.12	9/1	1	4	REC/UH	16K	8	275 6/83.7	29/-86	237/06:51:52	00:54.6	
		IR3	SDR 84	0	0	0	0		101,11	20 63		DN0015/23	1			
		IR2	SDR 83	0	0	1	1		99.15	20.77		DN0015/24	1			
		IR1 *	SDR 83	0	0	1	1		115.31	23.78		DN0015/25	1			
		IR TO ACCOMPANY 12B027														
12B029/034	12:48.00	SINGLE	102.5/112.5	-30	.12	14/3	1	4	REC/UH	16K	10	275.4/83.2	30/-86	237/06:53:52	00:19.0	
		SURV	SDR 86	84	2	0	0		116.90	23.61		DN0015/26	1			
		SURVEY TO ACCOMPANY 12B027 AND 12B028														
12B030/034	12 55 00	SINGLE	102.5/112.5	-30	.04	0/2	1	4	REC/UH	16K	10	275.0/81.6	32/-84	237/07:00:52	00:54.6	
		BB2 *	ISDR 253	251	2	0	0		116.22	23.61		DN0015/27	1			
		HI RES OF TRENCH X-RAY SAMPLE SITE														
12B031/034	13 00 00	SINGLE	305 0/330.0	-30	.12	14/3	1	5	REC/UH	16K	10	274.8/80.5	32/-83	237/07:05:52	00:45.7	
		SURV	SDR 211	209	2	0	0		59.41	27.99		DN0015/28	1			
		TOP OF LANDER XFRS PDA														
12B032/034	13:04 00	COLOR	285 0/290.0	-20	.12	1/1	1	4	REC/UH	16K	10	274.8/79 6	33/-82	237/07:09:52	00:27.9	
		BLU	SDR 42	0	0	1	1		134.62	62.80		DN0015/29	1			
		GRN	SDR 42	0	0	1	1		132.00	57.41		DN0015/30	1			
		RED	SDR 41	0	0	2	1		147.12	53.52		DN0015/31	1			
		COLOR OF MIDDLE RTC IN SUNLIGHT														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
12B033/034	13:05:30	IR	285.0/290.0	0	-20	.12	9/1	1	4 REC/UH	16K	12	274.7/79.3	33/-82	237/07:11.22	00:27.9	
		IR3	SDR	42	0	0	1	1	138.18	53.45		DN0015/32	1			
		IR2	SDR	42	0	0	1	1	135.69	52.48		DN0015/33	1			
		IR1	SDR	41	0	0	2	1	144.73	51.57		DN0015/34	1			
		IR OF MIDDLE RTC														
12B034/034	13:07:00	SINGLE	285.0/290.0	0	-20	.12	14/3	1	4 REC/UH	16K	12	274.7/79.0	33/-81	237/07:12:52	00:10.1	
		SURV	SDR	44	43	1	0	0	139.27	52.04		DN0015/35	1			
		SURVEY OF MIDDLE RTC														
12B035/034	13:07.10	SINGLE	170.0/170.0	0			15/7	1	2 REC/UH	16K	12	/	/	237/07:13:02	0:18.0	
		CAL	SDR	61	0	0	0	0	.00	.00		DN0015/36	1			
		CALIBRATION														
11B036/034	14.25.02	SINGLE	287.5/335.0	0	0	.04	5/2	1	4 RT/UH	16K	8	277.0/61.5	214/-64	237/08:30:54	04:20.0	
		BB4 *	ISDR	1220	1189	31	0	0	139.13	40.23		DN0015/37	2			
		DETAIL OF HORIZON AND POSSIBLE BEDROCK														
11B037/034	14:55:57	SINGLE	247.5/307.5	0	0	.04	5/2	1	4 RT/UH	16K	8	278.3/54.6	216/-57	237/09:01:50	05:20.0	
		BB4 *	ISDR	1498	0	0	3	1	135.07	27.73		DN0015/38	2			
		LARGE BLOCKS ON RISE AT HORIZON														
12B038/035	09:36.27	SINGLE	132.5/150.0	-30	.12	14/3	1	4 RT/SB	250	-4	81.6/53.8	205/-51	238/04:21:55	44:27.0		
		SURV *	ISDR	195	147	50	2	1	112.52	30.66		DN0016/01	1			
		VARIABLE FEATURES MONITORING NEAR FOOT PAD 3														
11B039/035	11:49.59	COLOR	35.0/ 40.0	-10	.12	1/1	1	4 REC/UH	16K	0	85.1/83.7	30/-80	238/06.35.27	00:27.9		
		BLU	ISDR	42	0	0	1	1	119.99	45.22		DN0016/02	1			
		GRN	ISDR	41	0	0	2	1	137.78	48.14		DN0016/03	1			
		RED	ISDR	41	0	0	2	1	146.11	51.54		DN0016/04	1			
		COLOR OF RTC3 IN SUNLIGHT														
11B040/035	11.51:59	IR	35.0/ 40.0	-10	.12	9/1	1	4 REC/UH	16K	0	84.9/84.2	30/-81	238/06.37:27	00:27.9		
		IR3	ISDR	42	0	0	1	1	114.90	41.38		DN0016/05	1			
		IR2	ISDR	42	0	0	1	1	118.88	43.08		DN0016/06	1			
		IR1	ISDR	41	0	0	2	1	130.79	47.93		DN0016/07	1			
		IR OF RTC3														
11B041/035	11:53.59	SINGLE	35.0/ 40.0	-10	.12	14/3	1	4 REC/UH	16K	0	84.7/84.6	30/-81	238/06:39.27	00:10.1		
		SURV	ISDR	46	43	3	0	0	139.35	47.72		DN0016/08	1			
		SURVEY OF RTC3														
11B042/035	11.59.59	COLOR	175.0/205.0	0	-30	.12	1/1	1	4 REC/UH	16K	-17	83.6/86.0	31/-83	238/06:45:27	02:41.2	
		BLU *	ISDR	250	0	0	1	1	82.30	39.23		DN0016/09	1			
		GRN *	ISDR	250	0	0	1	1	98.64	41.23		DN0016/10	1			
		RED *	ISDR	249	0	0	2	1	127.31	47.62		DN0016/11	1			
		COLOR OF FOOTPAD 2 (BURIED) OUT TO HORIZON														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
11B043/035	12.03:59	IR	175.0/205.0	-30	.12	9/1	1	4	REC/UH	16K	-17	82.1/86.9	32/-84	238/06:49:27	02:41.2	
		IR3	ISDR 247	0	0	4	3		103.63	40.91		DN0016/12	1			
		IR2	ISDR 249	0	0	2	1		106.12	41.14		DN0016/13	1			
		IR1 *	ISDR 247	0	0	4	3		103.63	40.91		DN0016/14	1			
		IR TO ACCOMPANY 11B042														
11B044/035	12:07.59	SINGLE	175.0/205.0	-30	.12	14/3	1	4	REC/UH	16K	2	79.4/87.8	32/-84	238/06:53:27	00:54.6	
		SURV	ISDR 253	251	2	0	0		119.29	44.56		DN0016/15	1			
		SURVEY TO ACCOMPANY 11B042 AND 11B043														
11B045/035	12:11·59	COLOR	115.0/175.0	0	.12	1/1	1	4	REC/UH	16K	2	72 9/88.6	33/-85	238/06:57:27	05:21.2	
		BLU *	ISDR 500	0	0	1	1		122.44	38.67		DN0016/16	1			
		GRN *	ISDR 500	0	0	1	1		140 50	38.76		DN0016/17	1			
		RED *	ISDR 499	0	0	2	2		148.54	38.25		DN0016/18	1			
		COLOR OF BIG JOE														
11B046/035	12:18.29	IR	115.0/175.0	0	.12	9/1	1	4	REC/UH	16K	4	337.0/89.6	36/-87	238/07:03:57	05.21.2	
		IR3	ISDR 499	0	0	2	1		127.99	46.96		DN0016/19	1			
		IR2	ISDR 498	0	0	3	1		131.30	46.03		DN0016/20	1			
		IR1 *	ISDR 499	0	0	2	1		127.99	46.96		DN0016/21	1			
		IR OF BIG JOE														
11B047/035	12:24.59	SINGLE	115.0/175.0	0	.12	14/3	1	4	REC/UH	16K	6	283.9/88.3	45/-88	238/07:10:27	01:47.9	
		SURV	ISDR 503	501	2	0	0		143.00	35.93		DN0016/22	1			
		SURVEY OF BIG JOE FOR PHOTOMETRIC SEQUENCE														
11B048/035	12:26:46	SINGLE	170.0/170.0	0		15/7	1	2	REC/UH	16K	6	/	/	238/07:12:14	0:18.0	
		CAL	SDR 60	0	0	0	0		.00	.00		DN0016/23	1			
		CALIBRATION														
12B049/035	14:20·13	SINGLE	45.0/ 95.0	-50	.04	14/2	1	4	RT/UH	16K	10	276.6/62.5	38/-65	238/09:05:40	04:20.0	
		SURV *	ISDR 1219	0	0	32	1		122.81	52.86		DN0016/24	2			
		NEAR LANDER AREA OF FLAT FRACTURED MATERIAL "DURICRUST"? SURFACE SAMPLER PIN														
11B050/035	14·51.08	SINGLE	167.5/227.5	-50	.04	8/2	1	4	RT/UH	16K	6	278.0/55.6	216/-58	238/09:36:36	05:20.0	
		BB1 *	ISDR 1499	0	0	2	1		91.16	47.65		DN0016/25	2			
		BURIED FOOTPAD 2														
11B051/036	07:19.59	SINGLE	10.0/ 30 0	0	.04	5/2	1	4	REC/UH	16K	-13	74 2/23.8	13/-21	239/02:45:02	01:47.9	
		BB4 *	ISDR 503	501	2	0	0		140.86	43.28		DN0016/26	1			
		DISTANT ROCKS RATHER POORLY SEEN OVER RTG 2														
11B052/036	07:24:59	SINGLE	252.5/335.0	-20	.04	13/2	1	4	REC/UH	16K	-13	74.5/24.9	13/-22	239/02:50:02	07:21.2	
		BB3 *	ISDR 2061	0	0	3	2		62.63	31.52		DN0016/27	3			
		NEAR FIELD ROCKS														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS			AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
11B053/036	07:34.59	SINGLE	307.5/335 C	-40	.04	8/2	1	4	REC/UH	16K	-12	75.1/27.1	14/-24	239/03:00:02	02:27.9	
		BB1 *	ISDR 692	689	3	0	0		65 19	38.18		DN0016/28	1			
		SURFACE NEAR LANDER BENEATH SURFACE SAMPLER HOUSING														
12B054/036	07:39:59	SINGLE	15.0/ 80.0	-20	.04	13/2	1	4	REC/UH	16K	-12	75.4/28.1	198/-25	239/03:05:02	05.47.9	
		BB3 *	ISDR 1624	0	0	2	1		62 54	41.15		DN0016/29	2			
		SURFACE SAMPLER COLLECTOR HEAD POSITIONED OVER TRENCH														
12B055/036	07:47 59	SINGLE	140.0/142 5	-30	.04	0/2	1	4	REC/UH	16K	-10	75.9/29.9	199/-27	239/03:13:02	00:14.6	
		BB2 *	ISDR 67	64	3	0	0		73.59	28.31		DN0016/30	1			
		SMALL AREA OF NEAR FIELD BLOCKS														
12B056/036	07:49 59	SINGLE	167 5/192.5	-20	.04	13/2	1	4	REC/UH	16K	-10	76 0/30.3	199/-27	239/03:15.02	02:14.6	
		BB3 *	ISDR 628	626	2	0	0		115 98	27.29		DN0016/31	1			
		BLOCKY SURFACE OVER LEG3														
12B057/036	09.00 27	SINGLE	132 5/135.0	-50	.04	8/2	1	4	RT/SB	250	-4	80.0/45.9	203/-43	239/04:25:30	43:27.0	
		BB1 *	ISDR 193	64	134	5	1		94.80	31.15		DN0016/32	1			
		SAMLL AREA OF NEAR FIELD SOIL, 134 LINES OF RESCAN														
11B058/036	14:14:41	SINGLE	180 0/230.0	-30	.04	0/2	1	4	RT/UH	16K	6	276.2/63.7	213/-66	239/09:39.44	04 20.0	
		BB2 *	ISDR 1217	0	0	34	1		129.48	28.68		DN0016/33	2			
		HI RES OF TRENCH AREA														
11B059/036	14:45 37	SINGLE	220.0/280.0	-50	.04	8/2	1	4	RT/UH	16K	6	277.6/56 8	215/-59	239/10:10:40	05:20.0	
		BB1 *	ISDR 1499	0	0	2	1		111.61	42.20		DN0016/34	2			
		FINES NEAR LEG 2 WITH FRACTURES AND ENGINE PITS														
12B060/037	07.24 59	SINGLE	52.5/ 77.5	-50	.04	8/2	1	4	REC/UH	16K	-13	74.6/24.9	197/-22	240/03:29:37	02:14.6	
		BB1 *	ISDR 629	626	3	0	0		39.60	15.04		DN0017/01	1			
		AREA OF FRACTURES UNDER SAMPLER HOUSING. NOT AS FLAT LOOKING AT THIS LOW SUN.														
11B061/037	14.06.14	SINGLE	80 0/230.0	10	.12	1/3	1	4	RT/UH	16K	8	275.6/65.6	213/-68	240/10:10:52	04.20.0	
		BLU *	ISDR 1217	0	0	34	1		107.32	44.22		DN0017/02	2			
		BLUE SINGLET FOR CLOUD STUDY														
12B062/037	14:42.00	SINGLE	55.0/237 5	10	.12	1/3	1	4	RT/UH	16K	10	277.2/57.6	39/-60	240/10:46:38	05:20.0	
		BLU *	ISDR 1378	0	0	144	1		116.08	52.18		DN0017/03	2			
		BLUE SINGLET. CLOUD STUDY 55 TO 220 DEGREES CACCS.														
12B063/038	07:47 00	SINGLE	285 0/335.0	0	.04	5/2	1	4	REC/UH	16K	-10	76.1/29 7	199/-27	241/04:31:13	04·27.9	
		BB4 *	ISDR 1254	1251	3	0	0		111.65	60.49		DN0017/04	2			
		MORNING HORIZON														
11B064/038	08:00.00	SINGLE	325 0/335.0	0	.04	5/2	1	4	REC/UH	16K	-12	76.9/32.5	16/-29	241/04:44:13	00:54.6	
		BB4 *	ISDR 253	251	2	0	0		120.45	22.11		DN0017/05	1			
		MORNING HORIZON														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS			AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
12B065/038	09:30 27	SINGLE	132.5/135.0	-50	.04	8/2	1	4	RT/SB	250	-4	81 8/52.6	205/-49	241/06.14.41	43:27.0	
		BB1 *	ISDR 190	64	128	2	1		93.42	28.53		DN0017/06	1			
		SAME AS 12B057, 1/2 HR LATER. FINES, 128 LINES RESC.														
12B066/038	14.01:15	SINGLE	90.0/140.0	-50	.04	14/2	1	4	RT/UH	16K	10	275.2/66.6	36/-69	241/10.45:28	04:20.0	
		SURV *	ISDR 1217	0	0	34	1		93.65	25.05		DN0017/07	2			
		SURVEY NEAR LANDER														
11B067/038	14·37.00	SINGLE	260.0/320.0	-40	.04	8/2	1	4	RT/UH	16K	6	276.8/58.6	214/-61	241/11:21:14	05:20.0	
		BB1 *	ISDR 1540	1501	39	0	0		107.71	49.18		DN0017/08	2			
		HI RES NEAR LANDER. USABLE 260 TO 307 DEGREES CACCS.														
11B068/039	08:06 27	SINGLE	240.0/250.0	-10	.04	5/2	1	4	RT/SB	250	-10	77.4/34.0	16/-31	242/05.30:16	44:27.0	
		BB4 *	ISDR 190	0	0	61	2		65.54	26.38		DN0017/09	1			
		POSSIBLE OUTCROP														
12B069/039	12:59:59	COLOR	197.5/315 0	0	.12	1/1	1	4	REC/UH	16K	8	272.2/80.4	29/-83	242/10.23:48	10:27.8	
		BLU *	ISDR 979	0	0	1	1		141.63	65.27		DN0017/10	2			
		GRN *	ISDR 977	0	0	3	2		133.74	56 89		DN0017/11	2			
		RED *	ISDR 978	0	0	2	1		143 14	56 22		DN0017/12	2			
		COLOR OF CRATER-LIKE HORIZON FEATURE														
12B070/039	13:11·59	IR	197.5/315 0	0	.12	9/1	1	4	REC/UH	16K	10	272.7/77.7	31/-80	242/10:35:48	10:27.8	
		IR3	ISDR 979	0	0	1	1		125 27	49.82		DN0017/13	2			
		IR2	ISDR 977	0	0	3	2		124.85	49 47		DN0017/14	2			
		IR1 *	ISDR 978	0	0	2	1		133.21	49 56		DN0017/15	2			
		IR TO ACCOMPANY 12B069														
12B071/039	13:23.59	SINGLE	197 5/315.0	0	.12	14/3	1	4	REC/UH	16K	14	273 2/75.0	33/-77	242/10:47:48	03:30.1	
		SURV	ISDR 982	980	2	0	0		140.12	54.72		DN0017/16	2			
		SURVEY SINGLET TO GO WITH COLOR AND IR														
12B072/039	13:55·56	SINGLE	95 0/145.0	-30	.04	1/2	1	4	RT/UH	16K	16	274.7/67.8	35/-70	242/11:19:45	04:20.0	
		BLU *	ISDR 1217	0	0	34	1		86.58	20.96		DN0017/17	2			
		HI RES COLOR OF TRENCH SITE														
11B073/039	14:31.41	SINGLE	30.0/ 90.0	-10	.04	13/2	1	4	RT/UH	16K	6	276.4/59 8	214/-62	242/11.55:30	05:20.0	
		BB3 *	ISDR 1603	1501	102	0	0		90.91	47.97		DN0017/18	2			
		HI RES OF AREA OVER SEISMOMETER. USEFUL IMAGE EXTENDS FROM 30 TO 70 DEGREES (CAM CTRL AZ)														
12B074/040	00:44 25	SINGLE	192.5/197.5	20	.04	1/2	1	0	REC/UH	16K	-8	14.8/-44	134/ 44	242/22:47:49	00.27.9	
		BLU	ISDR 127	126	1	0	0		115 36	11.01		DN0018/01	1			
		PHOBOS														
12B075/040	01:04:17	SINGLE	185.0/190.0	30	.04	1/2	1	1	REC/UH	16K	-8	20.7/-42	140/ 43	242/23.07:41	00.27.9	
		BLU	SDR 127	126	1	0	0		57.15	5.94		DN0018/02	1			
		PHOBOS														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
11B076/040	07:39.59	SINGLE	220 0/240 0	-30	.04	0/2	1	2	REC/UH	16K	-10	75.9/28 2	15/-25	243/05:43:23	01:47.9	
		BB2 *	ISDR	503	501	2	0	0	156 61	54 98		DN0018/03	1			
		HI RES OF VESICULAR-CLAST ROCK WITH SEDIMENT MOAT INDIFFUSE BACK LIGHT														
12B077/040	08:30.26	SINGLE	107.5/117.5	-30	.04	0/2	1	4	RT/SB	250	-8	78 9/39.3	202/-36	243/06:33:50	43:27.0	
		BB2 *	ISDR	187	0	0	64	2	90.16	28 09		DN0018/04	1			
		TRENCH PICTURE TO CONFIRM DIG														
11B078/040	11 06.44	SINGLE	282 5/290 0	-30	.04	8/2	1	3	REC/UH	16K	0	86.9/74 2	28/-71	243/09:10:08	00:41.2	
		BB1 *	ISDR	190	189	1	0	0	148.92	64 95		DN0018/05	1			
		VIEW BACK AT LANDER THROUGH SAMPLE ARM MIRROR														
12B079/040	11:29.59	SINGLE	305 0/310 0	-20	.12	14/3	1	4	REC/UH	16K	8	88 1/79.4	214/-76	243/09:33:23	00:10.1	
		SURV	ISDR	46	43	3	0	0	118.58	53.11		DN0018/06	1			
		SURVEY SINGLET OF RTC2 PARTIALLY SHADED														
12B080/040	11 31.29	IR	305 0/310 0	-20	.12	9/1	1	4	REC/UH	16K	8	88 2/79.7	214/-76	243/09:34:53	00:27.9	
		IR3	SDR	42	0	0	1	1	103.82	44.70		DN0018/07	1			
		IR2	SDR	42	0	0	1	1	103.02	44.29		DN0018/08	1			
		IR1	SDR	41	0	0	2	1	115.37	51.33		DN0018/09	1			
		IR OF RTC2														
12B081/040	11:32:59	COLOR	305 0/310 0	-20	.12	1/1	1	4	REC/UH	16K	8	88 2/80.1	214/-77	243/09:36:23	00:27.9	
		BLU	SDR	42	0	0	1	1	119.80	58 05		DN0018/10	1			
		GRN	SDR	42	0	0	1	1	116.23	54.08		DN0018/11	1			
		RED	SDR	41	0	0	2	1	128.27	58.77		DN0018/12	1			
		COLOR OF RTC2														
12B082/040	11:34:59	COLOR	87 5/117.5	-10	.12	1/1	1	4	REC/UH	16K	8	88 4/80 5	215/-77	243/09.38.23	02:41.2	
		BLU *	ISDR	251	0	0	0	0	128 01	54.63		DN0018/13	1			
		GRN *	ISDR	250	0	0	1	1	125.93	42.51		DN0018/14	1			
		RED *	ISDR	250	0	0	1	1	140.88	31 44		DN0018/15	1			
		COLOR OF TRENCH AND ROCKS OUT TO HORIZON														
12B083/040	11 38 29	IR	87 5/117 5	-10	.12	9/1	1	4	REC/UH	16K	8	88.5/81.3	215/-78	243/09:41:53	02:41.2	
		IR3	ISDR	249	0	0	2	1	109.59	24.54		DN0018/16	1			
		IR2	ISDR	249	0	0	2	1	108 28	24 82		DN0018/17	1			
		IR1 *	ISDR	248	0	0	3	2	123.85	27.07		DN0018/18	1			
		IR CORRESPONDING TO 12B082														
12B084/040	11:41.59	SINGLE	87 5/117 5	-10	.12	14/3	1	4	REC/UH	16K	10	88.7/82.1	215/-79	243/09:45:23	00:54.6	
		SURV	SDR	253	251	2	0	0	129.04	30.93		DN0018/19	1			
		SURVEY TO ACCOMPANY COLOR AND IR														
12B085/040	11:45:59	COLOR	137 5/172 5	-10	.12	1/1	1	4	REC/UH	16K	10	89 0/83.0	216/-80	243/09:49:23	03:07.9	
		BLU *	ISDR	292	0	0	1	1	131.86	48.17		DN0018/20	1			
		GRN *	ISDR	292	0	0	1	1	130 82	38.42		DN0018/21	1			
		RED *	ISDR	291	0	0	2	1	145.30	31.50		DN0018/22	1			
		COLOR VIEW TO RIGHT FRONT OF LANDER														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
128086/040	11:49.59	IR	137.5/172.5	-10	.12	9/1	1	4	REC/UH	16K	10	89 2/83.9	217/-81	243/09:53:23	03:07.9	
		IR3	ISDR	292	0	0	1	1	113.72	26.14		DN0018/23	1			
		IR2	ISDR	292	0	0	1	1	111.87	26.27		DN0018/24	1			
		IR1 *	ISDR	291	0	0	2	1	126.86	28.55		DN0018/25	1			
		IR TO ACCOMPANY 128085														
128087/040	11:53.59	SINGLE	137.5/172.5	-10	.12	14/3	1	4	REC/UH	16K	12	89.5/84 8	217/-81	243/09:57:23	01:03.5	
		SURV *	ISDR	287	0	0	6	2	132.49	31.04		DN0018/26	1			
		SURVEY TO GO WITH COLOR AND IR														
118088/040	11:58 59	COLOR	35.0/ 65.0	-10	.12	1/1	1	4	REC/UH	16K	4	89 9/85 9	35/-83	243/10:02:23	02:41.2	
		BLU *	ISDR	251	0	0	0	0	104.46	46.64		DN0019/01	1			
		GRN *	ISDR	250	0	0	1	1	119 80	50.96		DN0019/02	1			
		RED *	ISDR	250	0	0	1	1	131.09	50.81		DN0019/03	1			
		HORIZON CRATER-LIKE FEATURE. RC3 IN LIGHT. GRID ON LANDER TOP														
118089/040	12:02:29	IR	35.0/ 65 0	-10	.12	9/1	1	4	REC/UH	16K	4	90.2/86 7	36/-83	243/10:05:53	02:41.2	
		IR3	ISDR	250	0	0	1	1	105.52	41.45		DN0019/04	1			
		IR2	ISDR	250	0	0	1	1	108.64	42.74		DN0019/05	1			
		IR1 *	ISDR	249	0	0	2	1	119.39	47.03		DN0019/06	1			
		IR TO GO WITH 118088														
118090/040	12:05:59	SINGLE	35 0/ 65.0	-10	.12	14/3	1	4	REC/UH	16K	4	90 7/87.5	37/-84	243/10:09:23	00:54.6	
		SURV	ISDR	253	251	2	0	0	125.17	48.72		DN0019/07	1			
		SURVEY TO GO WITH COLOR ND IR														
118091/040	12:39:09	COLOR	280.0/285.0	-20	.12	1/1	1	3	REC/UH	16K	8	270.4/85.0	189/-87	243/10:42:33	00:27.9	
		BLU	ISDR	42	0	0	1	1	152.17	36.87		DN0019/08	1			
		GRN	ISDR	41	0	0	2	1	187.72	40.96		DN0019/09	1			
		RED	ISDR	41	0	0	2	1	165.19	44.48		DN0019/10	1			
		COLOR OF BACKHOE AND MAGNET ARRAY														
118092/040	12:40:09	IR	280.0/285.0	-20	.12	9/1	1	3	REC/UH	16K	8	270.5/84.8	191/-87	243/10:43:33	00:27.9	
		IR3	ISDR	42	0	0	1	1	183.43	45.62		DN0019/11	1			
		IR2	ISDR	42	0	0	1	1	183.84	46.65		DN0019/12	1			
		IR1	ISDR	41	0	0	2	1	171.24	51.36		DN0019/13	1			
		IR OF BACKHOE AND MAGNET ARRAY														
118093/040	12:42:09	SINGLE	280.0/285.0	-20	.04	0/2	1	3	REC/UH	16K	8	270.6/84.3	194/-87	243/10:45:33	00:27.9	
		B&W	ISDR	128	126	2	0	0	172.71	59.31		DN0019/14	1			
		HI RES OF BACKHOE AND MAGNET ARRAY														
118094/040	13:50:09	SINGLE	220.0/270.0	-50	.04	14/2	1	4	RT/UH	16K	10	274.2/69.0	211/-72	243/11:53:33	04:20.0	
		SURV *	ISDR	1217	0	0	34	1	123.92	32.52		DN0019/15	2			
		SURVEY OF FRACTURED FINES SURFACE NEAR LANDER														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
11B095/040	14:25.54	SINGLE	270.0/330.0	-10	.04	1/2	1	4	RT/UH	16K	14	275.9/61.0	213/-64	243/12.29:18	05 20.0	
		BLU *	ISDR 1283	0	0	218	1		80.46	35.71		DN0019/16	2			
		HI RES COLOR GOOD FROM 270 TO 305 DEG. (CAM CTRL AZ)														
12B096/040	17:16.59	SINGLE	12.5/102.5	-10	.04	13/2	1	3	REC/UH	16K	14	285.6/23.2	48/-26	243/15.20.23	08:01.2	
		BB3 *	ISDR 2254	2251	3	0	0		194.53	41.32		DN0019/17	3			
		AFTERNOON VIEW OF DRIFTS AT LOW PHASE ANGLE														
11B097/040	17:25.59	SINGLE	130.0/230 0	-10	.04	13/2	1	3	REC/UH	16K	12	286.2/21.2	224/-24	243/15:29.23	08:54.5	
		BB3 *	ISDR 2499	0	0	2	1		163.21	53.64		DN0019/18	4			
		SIMILAR TO ABOVE FOR STEREO														
11B098/040	17.36.59	SINGLE	90.0/155.0	0	.04	5/2	1	3	REC/UH	16K	12	286.9/18.9	225/-21	243/15:40:23	05:47.9	
		BB4 *	ISDR 1621	0	0	5	2		144.64	55.21		DN0019/19	2			
		VIEW TO HORIZON OF DRIFTS														
11B099/040	17.43 59	SINGLE	35 0/ 65.0	-10	.04	13/2	1	3	REC/UH	16K	12	287.4/17.4	226/-20	243/15:47:23	02 41.2	
		BB3 *	ISDR 753	751	2	0	0		77.14	36 72		DN0019/20	1			
		LATE AFTERNOON SURFACE OVER SEISMOMETER														
12B100/041	08:12.26	SINGLE	107 5/117.5	-30	.04	0/2	1	4	RT/SB	250	-8	77.9/35.3	201/-32	244/06:55:25	43:27.0	
		BB2 *	ISDR 191	0	0	60	2		84.31	29 63		DN0020/01	1			
		X RAY TRENCH														
12B101/041	13:44:15	SINGLE	95 0/145 0	-30	.04	3/2	1	4	RT/UH	16K	10	273.6/70 3	34/-73	244/12:27:14	04:20.0	
		RED	ISDR 1217	0	0	34	1		119.54	30.80		DN0020/02	2			
		HI RES COLOR OF TRENCH														
11B102/041	14:20:00	SINGLE	270.0/330.0	-10	.04	3/2	1	4	RT/UH	16K	8	275.5/62.3	213/-65	244/13:02:59	05:20 0	
		RED *	ISDR 1384	0	/ 0	117	1		122.31	39.93		DN0020/03	2			
		HI RES COLOR USABLE FROM 270 TO ABOUT 310 DEGREES														
12B103/041	15.58 44	SINGLE	290.0/295.0	-20	.04	13/2	1	3	REC/UH	16K	14	280.7/40 3	43/-43	244/14:41.44	00:27.9	
		BB3 *	ISDR 127	126	1	0	0		91.54	52.24		DN0020/04	1			
		MIRROR VIEW OF BACKHOE														
12B104/041	16:01.09	SINGLE	290 0/295.0	-20	.04	13/2	1	3	REC/UH	16K	14	280.9/39.8	43/-42	244/14:44:09	00:27.9	
		BB3	ISDR 127	126	1	0	0		89.68	51.75		DN0020/05	1			
		MIRROR VIEW OF BACKHOE														
12B105/041	16:02.09	COLOR	290.0/295.0	-20	.12	1/1	1	3	REC/UH	16K	14	280 9/39.5	43/-42	244/14:45.09	00:27.9	
		BLU	SDR 42	0	0	1	1		89.34	50.00		DN0020/06	1			
		GRN	SDR 42	0	0	1	1		92.32	52.29		DN0020/07	1			
		RED	SDR 41	0	0	2	1		99.81	55.02		DN0020/08	1			
		COLOR OF MIRROR VIEW OF BACK HOE														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
12B106/041	16:05:09	SINGLE	290 0/295 0	-20	.04	13/2	1	3	REC/UH	16K	14	281.1/38 9	43/-41	244/14:48:09	00:27.9	
		BB3	ISDR	129	126	3	0	0	88.76	49.97		DN0020/09	1			
		HI RES OF BACKHOE IN MAGNIFYING MIRROR														
12B107/041	16:06:09	COLOR	285.0/305 0	-20	.12	1/1	1	3	REC/UH	16K	14	281.1/38.7	43/-41	244/14 49·09	01.47.9	
		BLU *	ISDR	167	0	0	1	1	87.07	49.59		DN0020/10	1			
		GRN *	ISDR	167	0	0	1	1	90.49	52 08		DN0020/11	1			
		RED *	ISDR	166	0	0	2	1	101.58	57.13		DN0020/12	1			
		COLOR OF RTC1 AND MAGNIFYING MIRROR														
12B108/041	17:14·59	SINGLE	90 0/105 0	0	.04	5/2	1	3	REC/UH	16K	14	285 4/23.6	48/-26	244/15·57·58	01:21.2	
		BB4 *	ISDR	377	376	1	0	0	192.49	37.58		DN0020/13	1			
		HI RES OF LARGE ROCKS ON HORIZON														
12B109/041	17:19.59	SINGLE	227.5/230.0	30	.04	4/2	1	3	REC/UH	16K	14	285 7/22.5	48/-25	244/16.02.58	00.14.6	
		SUN	SDR	65	64	1	0	0	26.58	15.05		DN0020/14	1			
		SUN DIODE														
12B110/041	17:21 59	SINGLE	77.5/115 0	-30	.04	0/2	1	3	REC/UH	16K	14	285 8/22.1	48/-25	244/16·04:58	03.21.2	
		BB2 *	ISDR	940	939	1	0	0	119 74	50.48		DN0020/15	2			
		LATE AFTERNOON NEAR FIELD ROCKS														
12B111/041	17:27 59	SINGLE	115.0/202 5	-20	.04	13/2	1	3	REC/UH	16K	16	286.2/20.8	48/-23	244/16·10:58	07.47.9	
		BB3 *	ISDR	2186	0	0	3	2	83.26	40.11		DN0020/16	3			
		LATE AFTERNOON NEAR FIELD ROCKS														
12B112/041	17:37.59	SINGLE	267 5/310 0	-10	.04	13/2	1	3	REC/UH	16K	16	286.9/18.6	49/-21	244/16.20:58	03.47.9	
		BB3 *	ISDR	1059	0	0	5	2	82.96	41.11		DN0020/17	2			
		ROCKS IN DIRECTION OF HGA MAST														
12B113/041	17:51 59	SINGLE	230.0/232.5	20	.04	4/2	1	2	REC/UH	16K	16	287.9/15 6	50/-18	244/16:34:58	00:14.6	
		SUN	SDR	65	64	1	0	0	31.55	5.08		DN0020/18	1			
		SUN DIODE														
12B114/041	19:04.59	COLOR	237 5/237.5	10	.12	1/1	1	5	REC/UH	250	10	293 9/ 0.2	56/ -3	244/17:47.58	25.01.2	R
		BLU	SDR	37	2	37	1	1	103.51	62.30		DN0020/19	1			
		GRN	SDR	38	2	37	0	0	93 88	55 94		DN0020/20	1			
		RED	SDR	38	2	37	0	0	81.39	51.94		DN0020/21	1			
		COLOR RESCAN OF SUNSET														
12B115/041	19.31·59	COLOR	240.0/240.0	10	.12	1/1	1	2	REC/UH	250	10	296 5/-5.3	59/ 2	244/18:14.58	25:01.2	R
		BLU	SDR	37	2	37	1	1	61.57	49.02		DN0020/22	1			
		GRN	SDR	38	2	37	0	0	60.98	47.82		DN0020/23	1			
		RED	SDR	37	2	37	1	1	57.35	43.28		DN0020/24	1			
		COLOR RESCAN OF SUNSET														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
12B116/041	19:58 59	COLOR	242 5/242 5	10	.12	1/1	1	1	REC/UH	250	10	299 4/-10	61/ 7	244/18:41:58	25:01.2	R
		BLU	ISDR 50	2	50	1	1		75.15	27 49		DN0020/25	1			
		GRN	ISDR 51	2	50	0	0		69.26	15.72		DN0020/26	1			
		RED	ISDR 51	2	50	0	0		66.78	10.24		DN0020/27	1			
		COLOR RESCAN OF SUNSET														
11B117/042	11.30.27	SINGLE	297 5/307 5	-20	.04	13/2	1	4	RT/SB	250	4	89 2/79.6	31/-76	245/10.53:01	43·27.0	
		BB3 *	ISDR 187	0	0	64	2		121.52	28.42		DN0020/28	1			
		X-RAY TRENCH														
12B118/042	13:38 28	SINGLE	95.0/145.0	-30	.04	2/2	1	4	RT/UH	16K	8	273 0/71.6	33/-74	245/13 01:03	04.20.0	
		GRN *	ISDR 1217	0	0	34	1		95.06	23.82		DN0020/29	2			
		HI RES GREEN OF TRENCH														
11B119/042	14:14 14	SINGLE	270 0/330 0	-10	04	2/2	1	4	RT/UH	16K	10	275.0/63 6	212/-66	245/13:36.48	05:20.0	
		GRN *	ISDR 1377	0	0	124	2		100.58	38 18		DN0020/30	2			
		HI RES GREEN, POSSIBLE OUTCROP GOOD TO ABOUT 310 DEG														
11B120/042	17:30.00	SINGLE	230 0/330 0	-10	.04	13/2	1	3	REC/UH	16K	12	286.3/20 3	224/-23	245/16:52.34	08:54.5	
		BB3 *	ISDR 2502	2501	1	0	0		143.21	57.78		DN0020/31	4			
		HI RES BLOCK FIELD														
12B121/043	13:32.13	SINGLE	95 0/145.0	-30	.04	3/2	1	4	RT/UH	16K	8	272 3/73 0	32/-75	246/13:34:23	04·20.0	
		RED *	ISDR 1216	0	0	35	2		122.31	30.85		DN0021/01	2			
		HI RES RED OF TRENCH SAME AREA AS 12B118														
11B122/043	14:07 59	SINGLE	270 0/330.0	-10	.04	3/2	1	4	RT/UH	16K	10	274.4/64.9	211/-67	246/14 10:08	05:20.0	
		RED *	ISDR 1347	0	0	154	1		124.41	39 59		DN0021/02	2			
		HI RES RED, SAME AS 11B119 GOOD TO ABOUT 310 DEG (C														
11B123/043	17:34 00	SINGLE	300 0/335.0	-10	.04	13/2	1	3	REC/UH	16K	12	286.5/19 3	225/-22	246/17:36:10	03·07.9	
		BB3 *	ISDR 879	876	3	0	0		90.11	38 93		DN0021/03	1			
		LATE AFTERNOON POSSIBLE OUTCROP														
11B124/045	06 57.59	SINGLE	155.0/185 0	-10	.04	13/2	1	4	RT/SB	16K	-13	73.6/19 1	12/-16	248/08:19.19	02:41.2	
		BB3 *	ISDR 756	751	7	2	1		51.94	22.83		DN0021/04	1			
		EARLY MORN BIG JOE AND DRIFTS														
12B125/045	12:12.58	COLOR	85.0/120 0	-30	.12	1/1	1	4	RT/SB	16K	6	125 3/89 1	232/-86	248/13:34.19	03:07.9	
		BLU *	ISDR 292	0	0	1	1		95.09	23.40		DN0021/05	1			
		GRN *	ISDR 293	0	0	0	0		102.97	23 06		DN0021/06	1			
		RED *	ISDR 291	0	0	2	2		132.16	26.01		DN0021/07	1			
		COLOR OF TRENCH														
11B126/046	14:28 59	SINGLE	155 0/185.0	-10	.04	13/2	1	4	RT/SB	16K	8	275.0/60.1	212/-63	249/16·29:55	02:41.2	
		BB3 *	ISDR 758	751	7	0	0		148.01	28 03		DN0021/08	1			
		BIG JOE AND DRIFTS														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN	RESCAN TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
12B127/047	12:14:59	IR	85.0/120.0	-30	.12	9/1	1	4	RT/SB	16K	6	162 3/89.2	238/-86	250/14:55:30	03:07.9	
		IR3	ISDR 293	0	0	0	0		101.66	20.32		DN0021/09	1			
		IR2	ISDR 293	0	0	0	0		99.65	20.21		DN0021/10	1			
		IR1 *	ISDR 292	0	0	1	1		117.02	23 68		DN0021/11	1			
		IR OF TRENCH														
12B128/049	06.58 59	SINGLE	10.0/ 40.0	-10	.04	13/2	1	3	RT/SB	16K	-12	74.2/19.3	197/-16	252/10.58:40	02:41.2	
		BB3 *	ISDR 758	751	7	0	0		88.55	35.16		DN0021/12	1			
		EARLY MORNING OF DRIFTS. RIPPLES OR INTERNAL STRUCTURE WELL DISPLAYED														
11B129/050	06:30.00	SINGLE	300.0/335.0	-10	.04	13/2	1	3	RT/SB	16K	-37	72 1/13.1	11/-10	253/11:09:16	03:07.9	
		BB3 *	ISDR 879	876	5	2	1		101.19	39.63		DN0021/13	1			
		ROCK FIELD AND POSSIBLE OUTCROP. EARLY MORING														
11B130/051	06.59 29	SINGLE	185.0/215.0	-10	.04	13/2	1	3	RT/SB	16K	-13	74.4/19.4	13/-16	254/12:18:21	02:41.2	
		BB3 *	ISDR 756	751	7	2	2		98.86	38.14		DN0021/14	1			
		CONSIDERABLE OVERLAP WITH 12B128. SHOULD PROVIDE GOOD STEREO														
11B131/051	12.59 59	SINGLE	.0/ 5.0	0	.12	8/3	1	4	RT/SB	16K	6	265.4/79.9	196/-82	254/18:18:51	00:10.1	
		BB1	ISDR 48	43	5	0	0		81.96	67.26		DN0021/15	1			
		CAMERA 1 SCAN VERIFICATION														
11B132/051	13·03·59	SINGLE	.0/ 5.0	0	.12	8/3	1	4	RT/SB	16K	6	266.1/79.0	198/-81	254/18:22:51	00:10.1	D
		BB1	ISDR 48	43	5	0	0		84.68	67.55		DN0021/16	1			
		CAMERA 1 SCAN VERIFICATION														
11B133/051	13:04.09	SINGLE	170.0/170.0	0		7/7	1	2	RT/SB	16K	6	/	/	254/18:23:01	0:18.0	
		CAL	ISDR 49	0	0	0	0		.00	.00		DN0021/17	1			
		CALIBRATION														
12B134/051	13:43.59	SINGLE	.0/ 5.0	0	.12	8/3	1	4	RT/SB	16K	10	270.7/70.0	30/-72	254/19:02:51	00:10.1	
		BB1	ISDR 48	43	5	0	0		73.28	51.97		DN0021/18	1			
		CAMERA 2 SCAN VERIFICATION														
12B135/051	13:48·00	SINGLE	.0/ 5.0	0	.12	8/3	1	4	RT/SB	16K	10	271.0/69.1	31/-71	254/19:06:52	00:10.1	D
		BB1	ISDR 48	43	5	0	0		69.96	46.10		DN0021/19	1			
		CAMERA 2 SCAN VERIFICATION														
12B136/051	13:48.10	SINGLE	170.0/170.0	0		7/7	1	2	RT/SB	16K	10	/	/	254/19:07:02	0:18.0	
		CAL	ISDR 49	0	0	0	0		.00	.00		DN0021/20	1			
		CALIBRATION														
11B137/052	12:30 59	SINGLE	155.0/185.0	-10	.04	13/2	1	4	RT/SB	16K	6	250.8/86.2	137/-87	255/18:29:26	02:41.2	
		BB3 *	ISDR 758	751	7	0	0		152.03	34.59		DN0021/21	1			
		BIG JOE AND DRIFTS														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
12B138/053	14·01·59	SINGLE	85.0/120.0	-30	.04	0/2	1	4	RT/SB	16K	12	271 6/65 8	32/-68	256/20:40:01	03:07.9	
		BB2 *	ISDR 881	876	5	0	0		116.71	26.16		DN0021/22	1			
		LARGE AREA AROUND TRENCH														
11B139/054	17·27·59	SINGLE	155.0/185.0	-10	.04	13/2	1	4	RT/SB	16K	12	285.0/19 9	223/-22	258/00:45:37	02:41.2	
		BB3 *	ISDR 756	751	7	2	1		75.62	25.42		DN0021/23	1			
		BIG JOE, SAME AS 11B097														
11B140/055	14 01.59	SINGLE	270.0/305.0	-30	.04	0/2	1	4	RT/SB	16K	10	271 0/65.7	207/-68	258/21.59:12	03:07.9	
		BB2 *	ISDR 878	876	5	3	2		123.16	25.80		DN0021/24	1			
		STEREO OF TRENCH WITH B138														
12B141/057	09.36 29	COLOR	280 0/310.0	-10	.12	1/1	1	5	RT/SB	16K	-2	85 6/54.2	209/-51	260/18.52:52	02.41.2	
		BLU *	ISDR 252	252	1	0	0		72.75	40.03		DN0021/25	1			
		GRN *	ISDR 252	252	1	0	0		68.14	33 44		DN0021/26	1			
		RED *	ISDR 251	252	1	1	1		67.99	28 47		DN0021/27	1			
		COLOR OF LANDER TOP-GRID AND RTG1														
11B142/057	12:12 59	SINGLE	300.0/335 0	-10	.04	13/2	1	3	RT/SB	16K	4	169.1/88 1	67/-85	260/21:29:22	03:07.9	
		BB3 *	ISDR 884	876	8	0	0		184.96	47 17		DN0021/28	1			
		AREA OF ROCKS SAME AS 11B129														
11B143/058	13:03·59	COLOR	175.0/205.0	-30	.12	1/1	1	4	RT/SB	16K	6	262.2/78.6	193/-81	261/22:59:58	02:41.2	
		BLU *	ISDR 246	0	0	5	1		92.08	40.43		DN0021/29	1			
		GRN *	ISDR 246	0	0	5	1		109 11	41 88		DN0021/30	1			
		RED *	ISDR 247	0	0	4	1		138.39	49.19		DN0021/31	1			
		COLOR OF PART OF DRIFT AREA														
11B144/059	15:08.59	SINGLE	207.5/242.5	-30	.04	0/2	1	4	RT/SB	16K	10	275.1/50.4	213/-53	263/01:44.33	03:07.9	
		BB2 *	ISDR 881	876	5	0	0		139.68	20.39		DN0021/32	1			
		TRENCHES AND VESICULAR ROCK WITH SEDIMENT MOATS														
11B145/060	13:03·59	IR	175.0/205.0	-30	.12	9/1	1	4	RT/SB	16K	6	261.0/78.5	191/-81	264/00:19:08	02:41.2	
		IR3	ISDR 252	252	1	0	0		113.60	40.92		DN0021/33	1			
		IR2	ISDR 252	252	1	0	0		116 36	41.43		DN0021/34	1			
		IR1 *	ISDR 251	252	1	1	1		127.49	45 94		DN0021/35	1			
		IR OF DRIFTS TO MATCH 11B143														
12B146/061	17.15.14	SINGLE	210.0/237.5	30	.04	4/2	1	3	RT/SB	16K	14	283 3/22.3	45/-25	265/05:09:58	02:27.9	
		SUN	ISDR 694	689	5	0	0		29.45	28 66		DN0022/01	1			
		SUNDIODE														
12B147/062	16:27·59	COLOR	185 0/215.0	10	.12	1/1	1	5	RT/SB	16K	12	279.9/32 6	42/-35	266/05:02:19	02:41.2	
		BLU	SDR 250	0	0	1	1		85.32	74.37		DN0022/02	1			
		GRN	SDR 250	0	0	1	1		100.28	77.78		DN0022/03	1			
		RED	SDR 250	0	0	1	1		105.62	73.05		DN0022/04	1			
		COLOR OF LATE AFTERNOON SKY														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
11B148/063	17:33.40	SINGLE	300.0/335.0		-10	.04	13/2	1	3	RT/SB	16K	12	284 4/18.1	223/-21	267/06:47:35	03:07.9
		BB3 *	ISDR	880	876	5	1	1		87.02	38 95		DN0022/05	1		
		ROCKY AREA AS IN 11B142 SAME AS 11B123. BEGIN REPEAT														
11B149/065	06.57:39	SINGLE	155.0/185.0		-10	.04	13/2	1	4	RT/SB	16K	-13	76.2/19 0	15/-16	268/21:30.44	02.41.2
		BB3 *	SDR	753	751	2	0	0		52 21	22.08		DN0022/06	1		
		BIG JOE. SAME AS 11B124														
12B150/065	12:12·39	COLOR	85 0/120.0		-30	.12	1/1	1	4	RT/SB	16K	8	176.8/87.1	262/-85	269/02:45:44	03.07.9
		BLU *	SDR	291	0	0	2	2		96.75	23 32		DN0022/07	1		
		GRN *	SDR	291	0	0	2	1		105 39	23.57		DN0022/08	1		
		RED *	SDR	290	0	0	3	2		135.65	26.94		DN0022/09	1		
		COLOR OF TRENCH. SAME AS 12B125														
11B151/066	14:28.40	SINGLE	155 0/185 0		-10	.04	13/2	1	4	RT/SB	16K	10	270.5/59.1	207/-62	270/05:41.20	02.41.2
		BB3 *	ISDR	757	751	6	0	0		153.55	28.27		DN0022/10	1		
		BIG JOE. SAME AS 11B126														
12B152/067	12.14·39	IR	85.0/120 0		-30	.12	9/1	1	4	RT/SB	16K	8	186 7/86 8	270/-85	271/04.06.55	03.07.9
		IR3	SDR	292	0	0	1	1		104 06	21 47		DN0022/11	1		
		IR2	SDR	291	0	0	2	1		101.89	21.62		DN0022/12	1		
		IR1 *	SDR	291	0	0	2	1		119.28	24.91		DN0022/13	1		
		IR OF TRENCH. SAME AS 11B127.														
12B153/069	06:58.39	SINGLE	10 0/ 40.0		-10	.04	13/2	1	3	RT/SB	16K	-12	76 8/19.2	199/-16	273/00·10 06	02·41.2
		BB3 *	ISDR	435	751	7	323	1		89.68	37.21		DN0022/14	1		
		DRIFTS. SAME AS 12B128 BUT A LARGE SECTION MISSING														
11B154/070	06:29.40	SINGLE	300 0/335 0		-10	.04	13/2	1	3	RT/SB	16K	-6	74.8/12.8	13/-10	274/00:20:42	03 07.9
		BB3 *	ISDR	881	876	5	0	0		97.90	37 87		DN0022/15	1		
		ROCKY AREA SAME AS 11B129														
11B155/071	06:59·10	SINGLE	185.0/215.0		-10	.04	13/2	1	3	RT/SB	16K	-12	77.2/19 2	16/-16	275/01:29.47	02.41.2
		BB3 *	ISDR	758	751	7	0	0		98.00	35 52		DN0022/16	1		
		DRIFTS SAME AS 11B130														
11B156/071	12:59.40	SINGLE	0/ 5.0		0	.12	8/3	1	4	RT/SB	16K	8	253 1/78.6	181/-81	275/07.30.16	00:10.1
		BB1	ıSDR	48	43	5	0	0		82.76	67 40		DN0022/17	1		
		CAM 1 SCAN VER														
11B157/071	13:03.39	SINGLE	.0/ 5.0		0	.12	8/3	1	4	RT/SB	16K	8	254 6/77.7	184/-80	275/07:34:16	00:10.1 D
		BB1	ISDR	48	43	5	0	0		77.78	63.55		DN0022/18	1		
		CAM 1 SCAN VER														
11B158/071	13:03:49	SINGLE	170.0/170.0		0		15/7	1	2	RT/SB	16K	8	/	/	275/07:34.26	0:18.0
		CAL	SDR	61	0	0	0	0		.00	.00		DN0022/19	1		
		CALIBRATION														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS			AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
12B159/071	13:43 40	SINGLE	0/ 5.0	0	.12	8/3	1	4	RT/SB	16K	12	263 9/68.9	23/-71	275/08:14:16	00:10.1	
		BB1	SDR 44	43	1	0	0		56.95	31.58		DN0022/20	1			
		CAM 2 SCANVER														
12B160/071	13 47 40	SINGLE	0/ 5.0	0	.12	8/3	1	4	RT/SB	16K	12	264.5/68 0	24/-70	275/08:18:17	00.10.1	D
		BB1	SDR 44	43	1	0	0		56.92	31.05		DN0022/21	1			
		CAM 2 SCANVER														
12B161/071	13 47 50	SINGLE	170 0/170 0	0		15/7	1	2	RT/SB	16K	12	/	/	275/08:18:27	0:18.0	
		CAL	SDR 61	0	0	0	0		.00	.00		DN0022/22	1			
		CALIBRATION														
11B162/072	12:30 39	SINGLE	155 0/185 0	-10	.04	13/2	1	4	RT/SB	16K	6	228 2/84.3	135/-85	276/07:40:51	02:41.2	
		BB3 *	ISDR 758	751	7	0	0		158.37	34 74		DN0022/23	1			
		BIG JOE SAME AS 11B137.														
12B163/073	14.01 39	SINGLE	85 0/120.0	30	.04	0/2	1	4	RT/SB	16K	14	265.7/64.7	26/-67	277/09:51:26	03:07.9	
		BB2 *	ISDR 694	689	5	0	0		116.76	27.02		DN0022/24	1			
		TRENCH. SAME AS 12B138														
11B164/074	17.27 40	SINGLE	155 0/185.0	-10	.04	13/2	1	4	RT/SB	16K	12	282.5/18.5	221/-21	278/13:57.02	02:41.2	
		BB3 *	ISDR 758	751	7	0	0		73.89	25.14		DN0022/25	1			
		BIG JOE. SAME AS 11B139														
11B165/075	14.01 40	SINGLE	270 0/305.0	-30	.04	0/2	1	4	RT/SB	16K	10	265.1/64 6	201/-67	279/11:10.37	03.07.9	
		BB2 *	ISDR 881	876	5	0	0		117.02	30 11		DN0022/26	1			
		TRENCH. SAME AS 11B140														
12B166/076	09:59.59	COLOR	280.0/310.0	-10	.12	1/1	1	5	RT/SB	16K	0	92.5/59 6	216/-56	280/07.48:32	02:41.2	
		BLU *	ISDR 251	0	0	0	0		71.47	37.39		DN0022/27	1			
		GRN *	ISDR 251	0	0	0	0		68.29	32.20		DN0022/28	1			
		RED *	ISDR 251	0	0	0	0		69.52	28 98		DN0022/29	1			
		LANDER TOP. SAME AS 12B141														
11B167/077	12:12 39	SINGLE	300 0/335 0	-10	.04	13/2	1	3	RT/SB	16K	6	183 5/85.4	92/-84	281/10:40:48	03:07.9	
		BB3 *	ISDR 879	876	5	2	1		181.54	47.99		DN0022/30	1			
		ROCKY AREA SAME AS 11B142														
11B168/078	13 03.40	COLOR	175 0/205 0	-30	.12	1/1	1	4	RT/SB	16K	8	250.6/77.1	180/-79	282/12:11:24	02:41.2	
		BLU *	SDR 248	0	0	3	3		95.16	40.70		DN0022/31	1			
		GRN *	SDR 249	0	0	2	2		112.80	42.36		DN0022/32	1			
		RED *	SDR 249	0	0	2	2		142.39	50 71		DN0022/33	1			
		COLOR OF DRIFTS. SAME AS 11B143 BUT NOISIER.														
11B169/079	15:08 40	SINGLE	207.5/242 5	-30	.04	0/2	1	4	RT/SB	16K	12	271.1/49.2	208/-52	283/14.55:58	03:07.9	
		BB2 *	ISDR 881	876	5	0	0		145.16	19.06		DN0022/34	1			
		TRENCHES. SAME AS 11B144.														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
11B170/080	13:03 39	IR	175 0/205.0	-30	.12	9/1	1	4	RT/SB	16K	-25	249 5/76.9	179/-79	284/13:30:34	02:41.2	
		IR3 *	ISDR 251	0	0	0	0		116 95	41.85		DN0022/35	1			
		IR2 *	ISDR 251	0	0	0	0		119.43	42 62		DN0022/36	1			
		IR1 *	ISDR 251	0	0	0	0		130.70	47.55		DN0022/37	1			
		IR SAME AS 11B145.														
12B171/081	17:14.54	SINGLE	210.0/237.5	30	.04	4/2	1	3	RT/SB	16K	14	280.5/20.8	43/-23	285/18:21:23	02:27.9	
		SUN	ISDR 694	689	5	0	0		35.89	40.98		DN0023/01	1			
		SUNDIODE														
12B172/082	16 27 40	COLOR	185.0/215.0	10	.12	1/1	1	5	RT/SB	16K	14	276 8/31.2	39/-34	286/18:13:44	02:41.2	
		BLU *	ISDR 252	252	1	0	0		68.22	60.09		DN0023/02	1			
		GRN *	ISDR 252	252	1	0	0		90.80	76 39		DN0023/03	1			
		RED *	ISDR 251	252	1	1	1		100.94	74.77		DN0023/04	1			
		SKY. SAME AS 12B147														
11B173/083	17:33 21	SINGLE	300.0/335 0	-10	.04	13/2	1	3	RT/SB	16K	12	281.7/16.5	220/-19	287/19:59:00	03:07.9	
		BB3 *	ISDR 881	876	5	0	0		85.97	41 42		DN0023/05	1			
		ROCKY AREA. SAME AS 11B148 BEGIN SECOND REPEAT CYCLE														
11B174/085	06:57 59	SINGLE	167.5/187 5	-10	.04	13/2	1	4	RT/SB	16K	-13	79 4/18.8	18/-16	289/10:42:49	01:47.9	
		BB3 *	ISDR 508	501	7	0	0		54.85	23.26		DN0023/06	1			
		AREA OF DRIFTS														
12B175/085	12:12 58	COLOR	92 5/120.0	-30	.12	1/1	1	4	RT/SB	16K	8	186 4/84.1	284/-83	289/15.57:49	02:27.9	
		BLU *	SDR 229	0	0	1	1		97.27	18.96		DN0023/07	1			
		GRN *	SDR 229	0	0	1	1		107.28	24 19		DN0023/08	1			
		RED *	SDR 229	0	0	1	1		137.83	28.42		DN0023/09	1			
		COLOR SAME AS 11B150.														
11B176/086	14 28 59	SINGLE	167.5/187 5	-10	.04	13/2	1	4	RT/SB	16K	12	265.3/57.6	202/-60	290/18:53:25	01:47.9	
		BB3 *	ISDR 506	501	5	0	0		166.82	21.65		DN0023/10	1			
		DRIFTS OUT TO HORIZON														
12B177/087	12:14.59	IR	92 5/120.0	-30	.12	9/1	1	4	RT/SB	16K	10	191.0/83.7	289/-82	291/17:19:00	02:27.9	
		IR3	ISDR 231	231	1	0	0		105.63	22 35		DN0023/11	1			
		IR2	ISDR 230	231	1	1	1		103.25	22.45		DN0023/12	1			
		IR1 *	ISDR 230	231	1	1	1		120.69	25 89		DN0023/13	1			
		IR OF TRENCH. SAME AS 11B152														
12B178/089	06 58.59	SINGLE	20.0/ 37.5	-10	.04	13/2	1	3	RT/SB	16K	-10	80 2/19.0	203/-16	293/13:22:10	01:34.6	
		BB3 *	ISDR 445	439	6	0	0		91.47	34.08		DN0023/14	1			
		DRIFTS.														
11B179/090	06:29 29	SINGLE	300.0/327.5	-10	.04	13/2	1	3	RT/SB	16K	-13	78.0/12.4	16/ -9	294/13:32:16	02:27.9	
		BB3 *	ISDR 697	689	8	0	0		98.05	38.45		DN0023/15	1			
		ROCKY AREA. SAME AS 11B154.														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
11B180/091	09:04 59	SINGLE	210.0/230.0	-30	.04	0/2	1	4	RT/SB	16K	-4	91.1/47.2	30/-44	295/16.47:21	01:47.9	
		BB2 *	SDR 492	0	0	9	1		81.23	30.58		DN0023/16	1			
		TRENCHES AND SEDIMENT MOAT ROCKS														
11B181/091	12:59 59	SINGLE	0/ 5.0	0	.12	8/3	1	4	RT/SB	16K	10	241.7/76 5	170/-78	295/20.42:21	00:10.1	
		BB1	SDR 44	43	1	0	0		75.52	65.66		DN0023/17	1			
		CAM 1 SCANVER														
11B182/091	13:04 00	SINGLE	.0/ 5.0	0	.12	8/3	1	4	RT/SB	16K	10	243 7/75.6	173/-77	295/20:46:22	00:10.1	D
		BB1	SDR 44	43	1	0	0		76.36	66.29		DN0023/18	1			
		CAM 1 SCANVER														
11B183/091	13 04.10	SINGLE	170.0/170.0	0		15/7	1	2	RT/SB	16K	10	/	/	295/20.46:32	0:18.0	
		CAL	SDR 61	0	0	0	0		.00	.00		DN0023/19	1			
		CALIBRATION														
12B184/091	13:43 59	SINGLE	.0/ 5.0	0	.12	8/3	1	4	RT/SB	16K	14	256.5/67 2	15/-69	295/21.26·21	00:10.1	
		BB1	SDR 44	43	1	0	0		56.33	30.78		DN0023/20	1			
		CAM 1 SCANVER														
12B185/091	13.48 00	SINGLE	.0/ 5.0	0	.12	8/3	1	4	RT/SB	16K	14	257.4/66 3	16/-68	295/21.30·21	00.10.1	D
		BB1	SDR 44	43	1	0	0		56.33	30.78		DN0023/21	1			
		CAM 1 SCANVER														
12B186/091	13:48.10	SINGLE	170 0/170.0	0		15/7	1	2	RT/SB	16K	14	/	/	295/21:30:31	0:18.0	
		CAL	SDR 61	0	0	0	0		.00	.00		DN0023/22	1			
		CALIBRATION														
11B187/092	12:30.59	SINGLE	167.5/187.5	-10	.04	13/2	1	4	RT/SB	16K	8	216.6/81.3	135/-81	296/20·52:56	01.47.9	
		BB3 *	SDR 493	0	0	8	2		169.31	29 18		DN0023/23	1			
		BIG ROCKS AND DRIFTS														
12B188/093	14:01 58	SINGLE	92.5/120.0	-30	.04	0/2	1	4	RT/SB	16K	14	259.3/63.0	19/-65	297/23:03:31	02:27.9	
		BB2 *	ISDR 694	689	5	0	0		116.96	28 40		DN0023/24	1			
		TRENCH. SIMILAR TO 12B163														
11B189/094	17:27·59	SINGLE	167.5/187.5	-10	.04	13/2	1	4	RT/SB	16K	14	279.6/16.7	218/-19	299/03:09.07	01.47.9	
		BB3	ISDR 488	501	5	18	2		86.65	33 66		DN0023/25	1			
		DRIFTS. NOISY														
11B190/095	14:01·59	SINGLE	277.5/305.0	-30	.04	0/2	1	4	RT/SB	16K	12	258.6/62 8	194/-65	300/00:22:42	02:27.9	
		BB2 *	SDR 690	689	1	0	0		115.18	33 14		DN0023/26	1			
		TRENCH. SIMILAR TO 11B165														
12B191/096	10:29·59	COLOR	285.0/300.0	-10	.12	1/1	1	5	RT/SB	16K	2	104.7/66 0	227/-63	300/21:30:17	01:21.2	
		BLU *	SDR 125	0	0	1	1		68.08	29.18		DN0023/27	1			
		GRN *	SDR 124	0	0	2	1		66.74	26.06		DN0023/28	1			
		RED *	SDR 124	0	0	2	1		71.08	27 16		DN0023/29	1			
		LANDER TOP. SAME AS 12B166														

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VL-1 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
11B192/097	12.12.59	SINGLE	300.0/327 5		-10	.04	13/2	1	3	RT/SB	16K	6	188.0/82.0	107/-81	301/23:52:52	02:27.9
		BB3 *	SDR	690	689	1	0	0		176.56	49.10		DN0023/30	1		
		ROCKY AREA SAME AS 11B167														
11B193/098	13.03.59	COLOR	175.0/195 0		-30	.12	1/1	1	4	RT/SB	16K	8	240.2/74.8	169/-76	303/01:23:28	01:47.9
		BLU *	SDR	166	0	0	2	1		93 51	37.46		DN0023/31	1		
		GRN *	SDR	166	0	0	2	1		114.21	42.27		DN0023/32	1		
		RED *	SDR	166	0	0	2	1		146.65	52.66		DN0023/33	1		
		COLOR OF DRIFTS. SIMILAR TO 11B168														
11B194/100	06:59:29	SINGLE	187 5/215.0		-10	.04	13/2	1	3	RT/SB	16K	-13	82.3/18.8	21/-16	304/20.38:08	02:27.9
		BB3 *	ISDR	694	689	5	0	0		104.06	43.30		DN0023/34	1		
		DRIFTS WITH INTERNAL STRUCTURE OR RIPPLES														
11B195/100	13.03·59	IR	175.0/195.0		-30	.12	9/1	1	4	RT/SB	16K	8	239.2/74.5	169/-76	305/02·42:38	01:47.9
		IR3	ISDR	162	0	0	6	4		119.14	41.70		DN0023/35	1		
		IR2	ISDR	162	0	0	6	4		121.94	42.64		DN0023/36	1		
		IR1 *	ISDR	162	0	0	6	5		134.82	48.87		DN0023/37	1		
		IR SAME AS 11B170														
12B196/101	17.15.14	SINGLE	217.5/227 5		20	.04	4/2	1	3	RT/SB	16K	14	277.4/18.9	39/-21	306/07:33:28	00:54.6
		SUN	ISDR	252	251	1	0	0		23.95	8.51		DN0023/38	1		
		SUNDIODE														
12B197/101	17.41.14	SINGLE	217.5/227.5		20	.04	4/2	1	3	RT/SB	16K	12	279.5/13.1	42/-16	306/07:59.28	00:54.6
		SUN	SDR	252	251	1	0	0		23.61	5.68		DN0023/39	1		
		SUNDIODE														
12B198/102	16:27 59	COLOR	187 5/207.5		10	.12	1/1	1	5	RT/SB	16K	14	273 3/29 4	35/-32	307/07:25:49	01.47.9
		BLU	SDR	167	0	0	1	1		64.27	57.90		DN0023/40	1		
		GRN	SDR	167	0	0	1	1		88.62	77.55		DN0023/41	1		
		RED	SDR	166	0	0	2	1		105.48	78.90		DN0023/42	1		
		LATE AFTERNOON SKY														

VL-1 HIGH-RESOLUTION CAMERA EVENTS

IN EVENT ORDER

HIGH-RESOLUTION CAMERA EVENTS IN EVENT ORDER

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
12A001/000	16 13 21	BB1	102.5	160 0	-50	.04	1	4
12A003/001	07 47 59	BB2	80 0	140.0	-30	.04	1	4
12A009/001	15 50 28	BB1	80.0	160 0	-50	.04	1	4
12A010/002	07.18 00	BB4	65 0	155.0	-10	04	1	4
12A013/002	10 29 50	BB1	117 5	155 0	-50	.04	1	4
12A014/002	13 06 00	BB1	295.0	305 0	-30	.04	1	4
12A016/003	09 10 27	BB1	125.0	132.5	-50	.04	1	4
11A017/003	14 28 00	BB3	272.5	300.0	-20	.04	1	4
11A022/004	07.11 59	BB1	235.0	277 5	-50	.04	1	4
11A023/004	07 23 59	BB2	270 0	305 0	-30	04	1	4
11A025/004	07 29 59	BB1	35.0	40 0	-20	04	1	4
11A030/004	15 45 16	BB3	260 0	340 0	-10	.04	1	4
12A031/005	08 10 27	BB1	125.0	132 5	-50	.04	1	4
11A032/005	10 46 41	BB1	277 5	302 5	0	.04	1	5
12A036/005	14 59 59	BB1	197 5	212 5	-10	04	1	5
11A037/005	15.43 10	BB2	182 5	242 5	-30	04	1	4
12A039/006	07.24 27	BB1	125 0	132 5	-50	04	1	4
12A043/006	12 30.00	BB1	305 0	310 0	-20	.04	1	4
11A048/007	07 12 00	BB2	240 0	270 0	-30	04	1	4
11A051/007	15 38 25	BB1	200 0	260 0	-50	04	1	4
11A052/007	17.41 59	BB2	207 5	217.5	-30	.04	1	4
12A054/007	17 44 59	BB3	22.5	32 5	-20	.04	1	4
11A055/008	06 47 59	BB2	207 5	217 5	-30	.04	1	4
12A056/008	06 49 59	BB3	22.5	32 5	-20	04	1	4
11A058/008	08 48 59	BB2	207 5	217 5	-30	.04	1	4
12A059/008	08 50 59	BB3	22.5	32 5	-20	.04	1	4
11A060/008	10 49 52	BB2	210 0	217 5	10	.04	1	4
11A065/008	14 19 59	BB2	207 5	217 5	-30	.04	1	4
11A066/008	14 23 59	BB4	260.0	275 0	0	.04	1	4
11A067/008	15 35 42	BB2	225 0	305 0	-30	.04	1	4
12A068/009	10 59 59	BB1	295.0	305 0	-30	.04	1	5
11A069/009	15 32 54	BB2	145.0	225 0	-30	.04	1	4
12A070/010	10 10 27	BB1	110 0	117 5	-40	04	1	4
11A077/011	15 26 46	BB4	180 0	260 0	-10	.04	1	4
11A078/012	08 24 59	BB2	150 0	250 0	-30	.04	1	4
11A079/012	08.34 59	BB1	182 5	235 0	-50	.04	1	4
12A080/012	10 00 27	BB3	22 5	30.0	-20	04	1	4
12A081/012	15 36 22	BB1	60 0	160 0	-50	04	1	4
11A097/014	07 30 00	BB3	132.5	252.5	-10	.04	1	4
11A098/014	10.10 27	BB2	212.5	220.0	-30	.04	1	4
11A100/015	07 30 00	BB1	260.0	262 5	-50	04	1	3
12A101/015	13 40 00	BB1	285 0	290.0	-20	04	1	4
12A102/015	13 43 00	BB1	80.0	100 0	-40	04	1	4
12A103/016	07 29 59	BB1	112.5	160 0	-50	.04	1	3
12A104/016	09 00 27	BB1	110.0	117 5	-40	.04	1	4
12A107/018	07 30 00	BB3	155.0	207 5	-10	04	1	4
12A108/018	07 40 00	BB2	142 5	167.5	-30	.04	1	4
12A109/018	12 10 27	BB1	295.0	302 5	-30	.04	1	5
12A110/019	07.12 00	BB3	265.0	310 0	-10	.04	1	4
11A111/019	07 20 00	BB3	40.0	60.0	-10	.04	1	4
12A112/019	07 59 00	BB4	15.0	90.0	0	.04	1	4

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
11A114/019	15:17:02	BB2	190.0	322.5	-30	04	1	4
11A115/019	15:49 01	BB1	182 5	195 0	-50	04	1	4
12A116/020	07:53 59	BB4	90.0	217 5	0	04	1	4
11A118/020	14 49.59	BB1	217.5	227.5	0	.04	1	5
12A119/020	15.14 51	BB3	5.0	137.5	-10	04	1	4
11A120/020	15.46 49	BB1	182.5	195.0	-50	.04	1	4
12A124/021	07.29 59	BB1	77 5	117 5	-50	04	1	3
12A125/021	08.09 59	BB4	227.5	290.0	0	.04	1	4
12A126/021	10.00 27	BB1	295 0	302 5	-30	.04	1	5
11A127/021	15:12 30	BB3	202 5	335.0	-10	.04	1	4
11A128/021	15.44 28	BB1	182.5	195.0	-50	.04	1	4
11A129/022	08.10 00	BB4	100 0	195.0	0	.04	1	4
11A130/022	10 10.27	BB3	295 0	305.0	-20	.04	1	4
11A131/022	13 22 00	BB3	150.0	192 5	-10	.04	1	4
11A132/022	15:09 59	BB1	195 0	327.5	-50	.04	1	4
11A133/022	15 41 58	BB1	237.5	250.0	-50	.04	1	4
12A135/023	09.10 00	BB4	177.5	200 0	0	.04	1	4
12A136/023	15 07 17	BB1	30 0	162 5	-50	.04	1	4
11A137/023	15.39:16	BB1	247.5	280 0	-50	04	1	4
11A138/024	09.19 59	BB1	182 5	230 0	-50	04	1	4
12A139/024	09 36.27	BB3	105 0	115 0	-30	.04	1	4
12A140/024	15 04.26	BB2	5.0	145.0	-30	04	1	4
11A141/024	15 36 24	BB2	320.0	335.0	-30	04	1	4
11A142/025	05 44.59	BB4	292 5	335 0	-10	04	1	3
11A143/025	14:59 39	BB4	155 0	202.5	-10	.04	1	4
11A144/025	15.30 27	BB2	155.0	210.0	-30	.04	1	4
12A152/026	14 56.24	BB2	132 5	192 5	-30	.04	1	4
12A153/026	15 27 20	BB4	132.5	192 5	-10	.04	1	4
11A154/027	07 20 00	BB4	30 0	100.0	0	.04	1	4
12A155/027	07.30.00	BB4	217 5	227.5	0	04	1	4
11A156/027	07 34.00	BB4	195.0	290 0	0	.04	1	4
11A157/027	07:50 00	BB4	290.0	310 0	0	.04	1	4
11A158/027	08.00:00	BB4	310 0	327 5	0	04	1	4
11A159/027	09 34:27	BB3	155 0	165 0	-10	04	1	3
12A164/027	14 52.59	BB4	175.0	235.0	-10	.04	1	4
12A165/027	15.23 54	BB4	220 0	280.0	0	.04	1	4
11A173/028	14 49.34	BB4	10 0	60 0	0	04	1	4
11A174/028	15 20.23	BB4	55 0	105 0	0	04	1	4
12A183/029	05 39 40	BB4	75.0	100 0	0	.04	1	3
12A185/029	06:09 40	BB4	75.0	100.0	0	.04	1	3
12A187/029	06 24:40	BB4	75 0	100.0	0	04	1	3
12A188/029	06 51:40	BB4	75 0	100 0	0	.04	1	3
11A202/029	10 30.06	BB1	237.5	245 0	-50	04	1	4
12A211/029	14.45 47	BB4	120.0	180 0	0	.04	1	4
12A212/029	15.16 42	BB4	85.0	145.0	0	.04	1	4
12A235/029	17 45.40	BB4	140 0	200.0	0	04	1	3
12A236/030	10 00 07	BB1	125 0	132 5	-50	.04	1	4
12A237/030	14:41 02	BB4	157.5	217.5	0	.04	1	4
12A238/030	15 11:57	BB2	172 5	232.5	-20	.04	1	4
12A241/031	08 30.27	BB1	125.0	132.5	-50	.04	1	4
12A242/031	13:39.59	BB1	285.0	290.0	-20	.04	1	3

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HIGH—RESOLUTION CAMERA EVENTS IN EVENT ORDER

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
12A243/031	13 49 59	BB2	102.5	112 5	-30	04	1	4
11A250/031	14.38 28	BB4	100 0	160 0	0	04	1	4
11A251/031	15 09 23	BB4	127 5	187 5	-10	.04	1	4
12A252/031	16 59 59	BB1	25 0	30 0	-20	04	1	3
11A253/032	11.28 27	BB1	205 0	207 5	-40	.04	1	4
11A254/032	13 54 59	BB4	150 0	190 0	-10	04	1	4
12A255/032	14 31 43	BB4	290 0	335 0	0	.04	1	4
12B000/032	15 07.29	BB4	250 0	310 0	0	.04	1	4
12B016/033	14 27 15	BB3	260 0	320 0	-10	04	1	4
12B017/033	15 03 00	BB1	142 5	202.5	-50	.04	1	4
11B019/034	10 42 52	BB2	290 0	300 0	-30	.04	1	4
11B020/034	11 42 52	BB2	290 0	300 0	-30	04	1	4
12B030/034	12 55 00	BB2	102 5	112 5	-30	04	1	4
11B036/034	14 25 02	BB4	287 5	335.0	0	04	1	4
11B037/034	14 55 57	BB4	247 5	307 5	0	.04	1	4
11B050/035	14.51 08	BB1	167 5	227 5	-50	04	1	4
11B051/036	07 19.59	BB4	10 0	30 0	0	.04	1	4
11B052/036	07 24 59	BB3	252 5	335 0	-20	.04	1	4
11B053/036	07 34 59	BB1	307 5	335 0	-40	04	1	4
12B054/036	07 39 59	BB3	15 0	80 0	-20	.04	1	4
12B055/036	07 47.59	BB2	140 0	142 5	-30	.04	1	4
12B056/036	07 49 59	BB3	167 5	192 5	-20	.04	1	4
12B057/036	09 00 27	BB1	132 5	135 0	-50	04	1	4
11B058/036	14.14 41	BB2	180.0	230 0	-30	04	1	4
11B059/036	14 45.37	BB1	220 0	280.0	-50	04	1	4
12B060/037	07 24 59	BB1	52.5	77 5	-50	04	1	4
12B063/038	07 47 00	BB4	285 0	335 0	0	.04	1	4
11B064/038	08.00 00	BB4	325.0	335 0	0	04	1	4
12B065/038	09 30 27	BB1	132 5	135 0	-50	04	1	4
11B067/038	14 37.00	BB1	260 0	320 0	-40	04	1	4
11B068/039	08 06 27	BB4	240 0	250.0	-10	.04	1	4
11B073/039	14 31 41	BB3	30 0	90 0	-10	.04	1	4
11B076/040	07 39.59	BB2	220.0	240 0	-30	.04	1	2
12B077/040	08 30 26	BB2	107 5	117 5	-30	.04	1	4
11B078/040	11 06 44	BB1	282 5	290.0	-30	.04	1	3
11B093/040	12.42.09	BB2	280 0	285 0	-20	04	1	3
12B096/040	17 16 59	BB3	12 5	102 5	-10	.04	1	3
11B097/040	17.25 59	BB3	130 0	230 0	-10	04	1	3
11B098/040	17 36 59	BB4	90.0	155 0	0	04	1	3
11B099/040	17.43.59	BB3	35.0	65.0	-10	04	1	3
12B100/041	08 12.26	BB2	107.5	117.5	-30	.04	1	4
12B103/041	15 58 44	BB3	290 0	295 0	-20	04	1	3
12B104/041	16 01 09	BB3	290 0	295.0	-20	04	1	3
12B106/041	16.05 09	BB3	290 0	295.0	-20	.04	1	3
12B108/041	17 14 59	BB4	90 0	105.0	0	04	1	3
12B110/041	17 21 59	BB2	77.5	115 0	-30	.04	1	3
12B111/041	17 27 59	BB3	115.0	202 5	-20	.04	1	3
12B112/041	17 37 59	BB3	267 5	310.0	-10	.04	1	3
11B117/042	11 30 27	BB3	297.5	307 5	-20	04	1	4
11B120/042	17 30.00	BB3	230 0	330.0	-10	.04	1	3
11B123/043	17.34.00	BB3	300.0	335 0	-10	.04	1	3

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
11B124/045	06.57.59	BB3	155.0	185.0	-10	.04	1	4
11B126/046	14.28.59	BB3	155 0	185.0	-10	.04	1	4
12B128/049	06.58.59	BB3	10 0	40 0	-10	04	1	3
11B129/050	06.30.00	BB3	300.0	335 0	-10	.04	1	3
11B130/051	06.59 29	BB3	185.0	215.0	-10	.04	1	3
11B137/052	12:30.59	BB3	155.0	185.0	-10	.04	1	4
12B138/053	14 01:59	BB2	85.0	120 0	-30	04	1	4
11B139/054	17.27.59	BB3	155 0	185.0	-10	04	1	4
11B140/055	14:01 59	BB2	270.0	305.0	-30	.04	1	4
11B142/057	12 12.59	BB3	300 0	335.0	-10	.04	1	3
11B144/059	15.08.59	BB2	207.5	242 5	-30	04	1	4
11B148/063	17.33:40	BB3	300 0	335 0	-10	.04	1	3
11B149/065	06 57.39	BB3	155.0	185.0	-10	.04	1	4
11B151/066	14:28 40	BB3	155 0	185 0	-10	.04	1	4
12B153/069	06 58.39	BB3	10 0	40.0	-10	.04	1	3
11B154/070	06.29 40	BB3	300 0	335.0	-10	.04	1	3
11B155/071	06 59 10	BB3	185 0	215 0	-10	04	1	3
11B162/072	12:30.39	BB3	155 0	185.0	-10	.04	1	4
12B163/073	14.01 39	BB2	85 0	120.0	-30	.04	1	4
11B164/074	17.27:40	BB3	155.0	185.0	-10	04	1	4
11B165/075	14.01.40	BB2	270.0	305.0	-30	.04	1	4
11B167/077	12 12.39	BB3	300.0	335.0	-10	.04	1	3
11B169/079	15 08:40	BB2	207 5	242.5	-30	.04	1	4
11B173/083	17.33 21	BB3	300 0	335.0	-10	.04	1	3
11B174/085	06.57.59	BB3	167 5	187.5	-10	.04	1	4
11B176/086	14 28.59	BB3	167.5	187 5	-10	.04	1	4
12B178/089	06.58 59	BB3	20.0	37 5	-10	.04	1	3
11B179/090	06 29.29	BB3	300 0	327 5	-10	04	1	3
11B180/091	09:04 59	BB2	210.0	230 0	-30	04	1	4
11B187/092	12:30.59	BB3	167.5	187.5	-10	.04	1	4
12B188/093	14:01:58	BB2	92 5	120.0	-30	.04	1	4
11B189/094	17:27:59	BB3	167.5	187.5	-10	.04	1	4
11B190/095	14.01 59	BB2	277.5	305.0	-30	.04	1	4
11B192/097	12:12:59	BB3	300.0	327.5	-10	.04	1	3
11B194/100	06:59.29	BB3	187.5	215.0	-10	.04	1	3

VL-1 HIGH-RESOLUTION CAMERA EVENTS SORTED BY TIME OF DAY

HIGH—RESOLUTION CAMERA EVENTS SORTED BY TIME OF DAY

CCLABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
HOUR 05								
12A183/029	05 39 40	BB4	75 0	100.0	0	.04	1	3
11A142/025	05 44 59	BB4	292.5	335.0	-10	04	1	3
HOUR 06								
12A185/029	06.09 40	BB4	75.0	100 0	0	.04	1	3
12A187/029	06 24 40	BB4	75.0	100 0	0	04	1	3
11B179/090	06 29 29	BB3	300.0	327.5	-10	.04	1	3
11B154/070	06 29 40	BB3	300.0	335 0	-10	04	1	3
11B129/050	06.30 00	BB3	300 0	335.0	-10	04	1	3
11A055/008	06 47 59	BB2	207.5	217.5	-30	.04	1	4
12A056/008	06 49 59	BB3	22.5	32.5	-20	04	1	4
12A188/029	06 51.40	BB4	75 0	100 0	0	04	1	3
11B149/065	06.57 39	BB3	155.0	185 0	-10	.04	1	4
11B124/045	06 57 59	BB3	155 0	185.0	-10	.04	1	4
11B174/085	06 57 59	BB3	167 5	187 5	-10	.04	1	4
12B153/069	06.58 39	BB3	10 0	40 0	-10	.04	1	3
12B128/049	06 58 59	BB3	10 0	40.0	-10	.04	1	3
12B178/089	06 58 59	BB3	20.0	37 5	-10	.04	1	3
11B155/071	06 59 10	BB3	185 0	215 0	-10	.04	1	3
11B130/051	06 59 29	BB3	185.0	215.0	-10	.04	1	3
11B194/100	06·59 29	BB3	187.5	215.0	-10	.04	1	3
HOUR 07								
11A022/004	07 11 59	BB1	235 0	277.5	-50	04	1	4
11A048/007	07 12 00	BB2	240.0	270.0	-30	04	1	4
12A110/019	07.12 00	BB3	265.0	310.0	-10	04	1	4
12A010/002	07 18 00	BB4	65 0	155 0	-10	.04	1	4
11B051/036	07 19 59	BB4	10 0	30 0	0	04	1	4
11A111/019	07 20 00	BB3	40 0	60.0	-10	04	1	4
11A154/027	07·20 00	BB4	30 0	100 0	0	.04	1	4
11A023/004	07 23 59	BB2	270 0	305.0	-30	04	1	4
12A039/006	07 24 27	BB1	125.0	132.5	-50	.04	1	4
11B052/036	07.24 59	BB3	252.5	335.0	-20	.04	1	4
12B060/037	07 24 59	BB1	52.5	77.5	-50	.04	1	4
11A025/004	07 29 59	BB1	35 0	40 0	-20	.04	1	4
12A103/016	07 29 59	BB1	112.5	160.0	-50	.04	1	3
12A124/021	07 29 59	BB1	77 5	117 5	-50	.04	1	3
11A097/014	07.30 00	BB3	132 5	252.5	-10	.04	1	4
11A100/015	07.30 00	BB1	260.0	262.5	-50	.04	1	3
12A107/018	07 30 00	BB3	155.0	207 5	-10	04	1	4
12A155/027	07.30 00	BB4	217 5	227.5	0	04	1	4
11A156/027	07.34.00	BB4	195.0	290.0	0	.04	1	4
11B053/036	07 34 59	BB1	307.5	335 0	-40	04	1	4
12B054/036	07·39 59	BB3	15.0	80.0	-20	.04	1	4

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
11B076/040	07.39:59	BB2	220.0	240.0	-30	.04	1	2
12A109/018	07 40.00	BB2	140.5	167 5	-30	.04	1	4
12B063/038	07·47·00	BB4	285 0	335 0	0	.04	1	4
12A003/001	07.47·59	BB2	80 0	140.0	-30	.04	1	4
12B055/036	07·47 59	BB2	140.0	142.5	-30	04	1	4
12B056/036	07:49·59	BB3	167 5	192.5	-20	.04	1	4
11A157/027	07.50:00	BB4	290.0	310.0	0	.04	1	4
12A116/020	07 53.59	BB4	90.0	217.5	0	04	1	4
12A112/019	07:59 00	BB4	15 0	90.0	0	04	1	4
HOUR 08								
11A158/027	08 00.00	BB4	310.0	327 5	0	04	1	4
11B064/038	08·00 00	BB4	325 0	335 0	0	04	1	4
11B068/039	08·06 27	BB4	240 0	250 0	-10	.04	1	4
12A125/021	08 09.59	BB4	227.5	290.0	0	04	1	4
11A129/022	08 10.00	BB4	100.0	195 0	0	04	1	4
12A031/005	08.10 27	BB1	125 0	132 5	-50	.04	1	4
12B100/041	08 12.26	BB2	107.5	117 5	-30	04	1	4
11A078/012	08·24.59	BB2	150 0	250.0	-30	04	1	4
12B077/040	08.30·26	BB2	107 5	117 5	-30	04	1	4
12A241/031	08 30.27	BB1	125.0	132.5	-50	04	1	4
11A079/012	08·34.59	BB1	182.5	235.0	-50	04	1	4
11A058/008	08:48·59	BB2	207.5	217 5	-30	.04	1	4
12A059/008	08 50:59	BB3	22.5	32.5	-20	.04	1	4
HOUR 09								
12A104/016	09·00 27	BB1	110 0	117 5	-40	04	1	4
12B057/036	09.00:27	BB1	132 5	135.0	-50	04	1	4
11B180/091	09.04·59	BB2	210 0	230.0	-30	04	1	4
12A135/023	09 10.00	BB4	177.5	200.0	0	04	1	4
12A016/003	09:10 27	BB1	125 0	132 5	-50	04	1	4
11A138/024	09.19:59	BB1	182.5	230 0	-50	04	1	4
12B065/038	09·30.27	BB1	132 5	135 0	-50	.04	1	4
11A159/027	09.34 27	BB3	155.0	165 0	-10	.04	1	3
12A139/024	09:36·27	BB3	105 0	115 0	-30	.04	1	4
HOUR 10								
12A236/030	10 00.07	BB1	125.0	132 5	-50	04	1	4
12A080/012	10.00·27	BB3	22 5	30.0	-20	04	1	4
12A126/021	10.00·27	BB1	295 0	302.5	-30	.04	1	5
12A070/010	10:10 27	BB1	110 0	117.5	-40	04	1	4
11A098/014	10.10.27	BB2	212.5	220.0	-30	.04	1	4
11A130/022	10 10.27	BB3	295.0	305.0	-20	04	1	4
12A013/002	10:29·50	BB1	117.5	155.0	-50	.04	1	4
11A202/029	10.30·06	BB1	237.5	245.0	-50	.04	1	4

VL-1 High-Resolution Camera Events Sorted by Time of Day

HIGH—RESOLUTION CAMERA EVENTS SORTED BY TIME OF DAY

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
11B019/034	10:42:52	BB2	290 0	300 0	-30	04	1	4
11A032/005	10:46 41	BB1	277.5	302.5	0	04	1	5
11A060/008	10.49·52	BB2	210.0	217.5	10	.04	1	4
12A068/009	10:59.59	BB1	295.0	305.0	-30	.04	1	5
HOUR 11								
11B078/040	11.06.44	BB1	282.5	290 0	-30	04	1	3
11A253/032	11:28·27	BB1	205.0	207.5	-40	.04	1	4
11B117/042	11:30·27	BB3	297.5	307.5	-20	.04	1	4
11B020/034	11:42:52	BB2	290.0	300.0	-30	04	1	4
HOUR 12								
12A109/018	12:10·27	BB1	295 0	302.5	-30	.04	1	5
11B167/077	12:12 39	BB3	300.0	335.0	-10	04	1	3
11B142/057	12 12·59	BB3	300.0	335.0	-10	.04	1	3
11B192/097	12.12·59	BB3	300.0	327.5	-10	.04	1	3
12A043/006	12:30:00	BB1	305.0	310.0	-20	.04	1	4
11B162/072	12.30.39	BB3	155.0	185.0	-10	04	1	4
11B137/052	12:30:59	BB3	155.0	185.0	-10	.04	1	4
11B187/092	12.30:59	BB3	167.5	187.5	-10	.04	1	4
11B093/040	12.42 09	BB2	280.0	285.0	-20	.04	1	3
12B030/034	12:55·00	BB2	102.5	112 5	·30	04	1	4
HOUR 13								
12A014/002	13.06.00	BB1	295.0	305.0	-30	.04	1	4
11A131/022	13·22 00	BB3	150.0	192.5	·10	.04	1	4
12A242/031	13·39 59	BB1	285.0	290.0	-20	04	1	3
12A101/015	13·40 00	BB1	285.0	290.0	-20	.04	1	4
12A102/015	13·43.00	BB1	80.0	100.0	-40	04	1	4
12A243/031	13;49.59	BB2	102.5	112.5	-30	.04	1	4
11A254/032	13.54.59	BB4	150.0	190.0	·10	.04	1	4
HOUR 14								
12B163/073	14:01:39	BB2	85.0	120 0	-30	04	1	4
11B165/075	14.01 40	BB2	270.0	305.0	-30	.04	1	4
12B188/093	14:01 58	BB2	92.5	120.0	-30	04	1	4
12B138/053	14:01·59	BB2	85.0	120.0	-30	04	1	4
11B140/055	14·01.59	BB2	270.0	305.0	-30	.04	1	4
11B190/095	14.01.59	BB2	277.5	305.0	-30	.04	1	4
11B058/036	14·14.41	BB2	180.0	230.0	-30	.04	1	4
11A065/008	14:19.59	BB2	207.5	217.5	-30	.04	1	4
11A066/008	14.23 59	BB4	260.0	275.0	0	.04	1	4
11B036/034	14:25.02	BB4	287.5	335.0	0	.04	1	4

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
12B016/033	14.27.15	BB3	260 0	320.0	-10	04	1	4
11A017/003	14 28 00	BB3	272 5	300 0	-20	04	1	4
11B151/066	14 28 40	BB3	155 0	185 0	-10	.04	1	4
11B126/046	14:28·59	BB3	155 0	185 0	-10	04	1	4
11B176/086	14 28 59	BB3	167.5	187 5	-10	.04	1	4
11B073/039	14·31.41	BB3	30.0	90 0	-10	04	1	4
12A255/032	14.31:43	BB4	290 0	335 0	0	04	1	4
11B067/038	14.37.00	BB1	260 0	320.0	-40	.04	1	4
11A250/031	14.38.28	BB4	100 0	160.0	0	.04	1	4
12A237/030	14·41 02	BB4	157.5	217 5	0	.04	1	4
11B059/036	14.45 37	BB1	220.0	280 0	-50	.04	1	4
12A211/029	14·45·47	BB4	120 0	180.0	0	.04	1	4
11A173/028	14 49.34	BB4	10 0	60.0	0	04	1	4
11A118/020	14 49 59	BB1	217.5	227.5	0	04	1	5
11B050/035	14·51:08	BB1	167 5	227 5	-50	.04	1	4
12A164/027	14 52.59	BB4	175.0	235.0	-10	.04	1	4
11B037, 034	14 55.57	BB4	247 5	307.5	0	04	1	4
12A152/026	14 56 24	BB2	132.5	192.5	-30	04	1	4
11A143/025	14.59·39	BB4	155 0	202 5	-10	.04	1	4
12A036/005	14.59.59	BB1	197 5	212 5	-10	.04	1	5
HOUR 15								
12B017/033	15 03.00	BB1	142.5	202.5	-50	04	1	4
12A140/024	15·04·26	BB2	5 0	145.0	-30	04	1	4
12A136/023	15 07.17	BB1	30 0	162 5	-50	.04	1	4
12B000/032	15 07 29	BB4	250 0	310.0	0	04	1	4
11B169/079	15·08.40	BB2	207 5	242 5	·30	04	1	4
11B144/059	15 08:59	BB2	207.5	242.5	-30	04	1	4
11A251/031	15 09.23	BB4	127 5	187.5	-10	04	1	4
11A132/022	15·09 59	BB1	195.0	327.5	-50	.04	1	4
12A238/030	15.11.57	BB2	172 5	232.5	·20	04	1	4
11A127/021	15·12·30	BB3	202 5	335.0	-10	04	1	4
12A119/020	15 14.51	BB3	5 0	137 5	-10	.04	1	4
12A212/029	15 16 42	BB4	85 0	145.0	0	.04	1	4
11A114/019	15 17·02	BB2	190.0	322.5	-30	.04	1	4
11A174/028	15 20 23	BB4	55.0	105 0	0	04	1	4
12A165/027	15 23 54	BB4	220.0	280 0	0	04	1	4
11A077/011	15.26·46	BB4	180 0	260 0	-10	04	1	4
12A153/026	15 27 20	BB4	132 5	192.5	-10	.04	1	4
11A144/025	15·30 27	BB2	155.0	210.0	-30	04	1	4
11A069/009	15:32.54	BB2	145 0	225 0	-30	04	1	4
11A067/008	15·35 42	BB2	225.0	305.0	-30	04	1	4
12A081/012	15 36 22	BB1	60.0	160 0	-50	.04	1	4
11A141/024	15·36·24	BB2	320 0	335 0	-30	04	1	4
11A051/007	15.38·25	BB1	200 0	260 0	-50	04	1	4
11A137/023	15.39 16	BB1	247 5	260 0	-50	.04	1	4
11A133/022	15 41·58	BB1	237.5	250.0	-50	04	1	4
11A037/005	15.43:10	BB2	182.5	242 5	-30	.04	1	4
11A128/021	15:44:28	BB1	182.5	195 0	-50	.04	1	4

HIGH—RESOLUTION CAMERA EVENTS SORTED BY TIME OF DAY

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
11A030/004	15.45 16	BB3	260.0	340 0	-10	04	1	4
11A120/020	15·46.49	BB1	182.5	195 0	-50	.04	1	4
11A115/019	15:49 01	BB1	182.5	195.0	-50	04	1	4
12A009/001	15.50.28	BB1	80 0	160.0	-50	04	1	4
12B103/041	15.58·44	BB3	290.0	295.0	-20	.04	1	3
HOUR 16								
12B104/041	16·01.09	BB3	290.0	295.0	-20	04	1	3
12B106/041	16 05·09	BB3	290.0	295 0	-20	.04	1	3
12A001/000	16:13·21	BB1	102.5	160.0	-50	04	1	4
12A252/031	16·59·59	BB1	25.0	30.0	-20	.04	1	3
HOUR 17								
12B108/041	17.14 59	BB4	90 0	105 0	0	04	1	3
12B096/040	17.16 59	BB3	12.5	102 5	-10	.04	1	3
12B110/041	17.21:59	BB2	77.5	115.0	-30	04	1	3
11B097/040	17.25.59	BB3	130.0	230.0	-10	.04	1	3
11B164/074	17·27 40	BB3	155.0	185 0	-10	04	1	4
12B111/041	17:27.59	BB3	115 0	202.5	-20	.04	1	3
11B139/054	17.27.59	BB3	155.0	185 0	-10	.04	1	4
11B189/094	17 27:59	BB3	167.5	187.5	-10	.04	1	4
11B120/042	17.30.00	BB3	230.0	330 0	-10	04	1	3
11B173/083	17 33 21	BB3	300.0	335.0	-10	04	1	3
11B148/063	17 33·40	BB3	300 0	335.0	-10	.04	1	3
11B123/043	17.34.00	BB3	300.0	335.0	-10	.04	1	3
11B098/040	17·36 59	BB4	90.0	155.0	0	.04	1	3
12B112/041	17.37.59	BB3	267.5	310.0	-10	.04	1	3
11A052/007	17 41 59	BB2	207.5	217.5	-30	.04	1	4
11B099/040	17:43·59	BB3	35.0	65.0	-10	.04	1	3
12A054/007	17.44 59	BB3	22.5	32.5	-20	.04	1	4
12A235/029	17.45 40	BB4	140.0	290.0,	0	.04	1	3

VL-1 HIGH-RESOLUTION CAMERA EVENTS SORTED BY ELEVATION AND START AZIMUTH FOR SEGMENTS OF DAY

VL-1

HIGH-RESOLUTION CAMERA EVENTS
SORTED BY ELEVATION AND START AZIMUTH
FOR SEGMENTS OF THE DAY

00-10 HOURS LLT

CELABEL	LLT	EPA	AZSTART	AZSTOP	DIODE	GAIN	OFFSET	SUNAZ	SUNEL	ASOLAZ	ASOLEL	RELATIVE TO NORTH AZSTART	RELATIVE TO NORTH AZSTOP	RELATIVE TO NORTH ASOLAZ
CAMERA 1														
11B051/036	07 19 59	0	10.0	30.0	BB4	4	1	74.2	23 8	13	-21	251.4	271.4	255
11A154/027	07:20 00	0	30 0	100 0	BB4	4	1	73 4	24.6	13	-22	271.4	341.4	255
11A129/022	08:10 00	0	100.0	195.0	BB4	4	1	76 0	35.4	16	-32	341.4	76.4	258
11A156/027	07.34 00	0	195.0	290.0	BB4	4	1	74 3	27.6	14	-25	76.4	171.4	256
11A157/027	07.50 00	0	290 0	310 0	BB4	4	1	75 2	31 0	15	-28	171.4	191.4	257
11A158/027	08 00 00	0	310.0	327.5	BB4	4	1	75.8	33.2	16	-30	191.4	208 9	258
11B064/038	08:00:00	0	325.0	335.0	BB4	4	1	76.9	32.5	16	-29	206.4	216.4	258
11A111/019	07 20 00	-10	40 0	60 0	BB3	4	1	72.7	24 6	12	-22	281 4	301.4	254
11A097/014	07:30:00	-10	132.5	252 5	BB3	4	1	73.0	26.6	13	-24	13.9	133.9	255
11A159/027	09 34 27	-10	155 0	165 0	BB3	3	1	80.7	53.9	21	-51	36 4	46.4	263
11B124/045	06:57 59	-10	155 0	185 0	BB3	4	1	73.6	19 1	12	-16	36.4	66.4	254
11B149/065	06.57 39	-10	155 0	185.0	BB3	4	1	76.2	19.0	15	-16	36.4	66.4	257
11B174/085	06 57 59	-10	167.5	187.5	BB3	4	1	79 4	18.8	18	-16	48.9	68.9	260
11B130/051	06 59.29	-10	185 0	215.0	BB3	3	1	74 4	19 4	13	-16	66.4	96 4	255
11B15:/071	06.59:10	-10	185 0	215.0	BB3	3	1	77.2	19.2	16	-16	66.4	96 4	258
11B194/100	06 59 29	-10	187.5	215.0	BB3	3	1	82.3	18.8	21	-16	68.9	96.4	263
11B068/039	08:06 27	-10	240.0	250 0	BB4	4	1	77.4	34.0	16	-31	121.4	131 4	258
11A142/025	05.44.59	-10	292 5	335 0	BB4	3	1	66.0	4.6	5	-2	173.9	216.4	247
11B129/050	06 30 00	-10	300 0	335.0	BB3	3	1	72.1	13.1	11	-10	181.4	216 4	253
11B154/070	06.29 40	-10	300.0	335 0	BB3	3	1	74 8	12 8	13	-10	181 4	216.4	255
11B179/090	06:29.29	-10	300 0	327 5	BB3	3	1	78 0	12.4	16	-9	181 4	208.9	258
11A025/004	07 29 59	-20	35.0	40 0	BB1	4	1	72 5	26.3	12	-26	276 4	281.4	254
11B052/036	07 24 59	-20	252.5	335.0	BB3	4	1	74.5	24.9	13	-22	133.9	216 4	255
11A078/012	08:24 59	-30	150.0	250.0	BB2	4	1	76.0	38.4	16	-35	31.4	131.4	258
11A055/008	06 47:59	-30	207.5	217 5	BB2	4	1	69.9	17.5	9	-15	88 9	98.9	251
11A058/008	08.48.59	-30	207 5	217 5	BB2	4	1	77 0	43 5	17	-40	88.9	98.9	259
11B180/091	09 04:59	-30	210.0	230.0	BB2	4	1	91.1	47.2	30	-44	91.4	111.4	272
11B076/040	07:39 59	-30	220.0	240 0	BB2	2	1	75.9	28.2	15	-25	101.4	121.4	257
11A048/007	07.12:00	-30	240.0	270.0	BB2	4	1	71 5	22 5	11	-20	121.4	151 4	253
11A023/004	07 23 59	-30	270.0	305.0	BB2	4	1	72.1	25.0	12	-25	151.4	186.4	254
11B053/036	07:34 59	-40	307.5	335 0	BB1	4	1	75.1	27.1	14	-24	188.9	216.4	256
11A079/012	08:34:59	-50	182 5	235.0	BB1	4	1	76 5	40 6	17	-38	63.9	116.4	259
11A138/024	09 19 59	-50	182.5	230.0	BB1	4	1	79.7	50.7	20	-48	63.9	111.4	262
11A022/004	07.11.59	-50	235.0	277.5	BB1	4	1	71.4	22.5	11	-22	116.4	158.9	253
11A100/015	07:30:00	-50	260.0	262.5	BB1	3	1	73 1	26.7	13	-24	141.4	143.9	255
CAMERA 2														
12A112/019	07 59:00	0	15.0	90 0	BB4	4	1	75.1	33.0	198	-30	72.4	147.4	255
12A183/029	05.39:40	0	75.0	100.0	BB4	3	1	66.0	2 5	188	-0	132.4	157.4	245
12A185/029	06:09.40	0	75.0	100.0	BB4	3	1	68.5	8 8	191	-6	132.4	157.4	248

VL-1 High-Resolution Camera Events Sorted by Elevation and Start Azimuth for Segments of Day

VL-1

HIGH-RESOLUTION CAMERA EVENTS
SORTED BY ELEVATION AND START AZIMUTH
FOR SEGMENTS OF THE DAY

00-10 HOURS LLT

CELABEL	LLT	EPA	AZSTART	AZSTOP	DIODE	GAIN	OFFSET	SUNAZ	SUNEL	ASOLAZ	ASOLEL	RELATIVE TO NORTH AZSTART	AZSTOP	ASOLAZ
12A187/029	06 24.40	0	75.0	100 0	BB4	3	1	69.7	11.9	192	-9	132 4	157.4	249
12A188/029	06 51·40	0	75.0	100 0	BB4	3	1	71.6	17.7	194	-15	132.4	157.4	251
12A116/020	07.53.59	0	90 0	217 5	BB4	4	1	74 9	31 9	198	-29	147.4	274 9	255
12A135/023	09 10 00	0	177 5	200 0	BB4	4	1	79 1	48 5	203	-45	234.9	257.4	260
12A155/027	07·30:00	0	217.5	227.5	BB4	4	1	74.0	26 7	197	-24	274 9	284.9	254
12A125/021	08 09.59	0	227.5	290 0	BB4	4	1	75.9	35.4	199	-32	284.9	347.4	256
12B063/038	07·47 00	0	285.0	335.0	BB4	4	1	76 1	29 7	199	-27	342.4	32.4	256
12B128/049	06.58 59	-10	10.0	40.0	BB3	3	1	74 2	19.3	197	-16	67.4	97 4	254
12B153/069	06.58·39	-10	10.0	40.0	BB3	3	1	76 8	19.2	199	-16	67.4	97 4	256
12B178/089	06.58:59	-10	20 0	37 5	BB3	3	1	80 2	19.0	203	-16	77 4	94.9	260
12A010/002	07.18 00	-10	65 0	155 0	BB4	4	1	71.7	23 7	195	-23	122.4	212.4	252
12A107/018	07.30:00	-10	155 0	207 5	BB3	4	1	74 8	26.7	196	-24	212.4	264.9	253
12A110/019	07.12 00	-10	265 0	310 0	BB3	4	1	72.2	22.9	195	-20	322.4	7.4	252
12B054/036	07·39 59	-20	15 0	80.0	BB3	4	1	75 4	28.1	198	-25	72 4	137.4	255
12A056/008	06 49·59	-20	22.5	32 5	BB3	4	1	70.1	17 9	193	-15	79.9	89.9	250
12A059/008	08.50·59	-20	22 5	32.5	BB3	4	1	77 1	43.9	201	-41	79.9	89.9	258
12B056/036	07:49·59	-20	167.5	192.5	BB3	4	1	76.0	30.3	199	-27	224.9	249.9	256
12A003/001	07 47:59	-30	80.0	140.0	BB2	4	1	73.2	30 0	197	-30	137.4	197.4	254
12A139/024	09:36·27	-30	105.0	115.0	BB3	4	1	80 5	54.4	204	-51	162.4	172.4	261
12B077/040	08.30.26	-30	107.5	117 5	BB2	4	1	78 9	39.3	202	-36	164 9	174.9	259
12B100/041	08·12 26	-30	107 5	117.5	BB2	4	1	77.9	35.3	201	-32	164.9	174 9	258
12B055/036	07.47 59	-30	140.0	142.5	BB2	4	1	75.9	29 9	199	-27	197.4	199.9	256
12A108/018	07:40 00	-30	142.5	167 5	BB2	4	1	73.9	28.9	197	-26	199.9	224.9	254
12A104/016	09:00 27	-40	110.0	117.5	BB1	4	1	78.1	46.3	202	-43	167.4	174.9	259
12B060/037	07.24:59	-50	52 5	77.5	BB1	4	1	74.6	24 9	197	-22	109.9	134.9	254
12A124/021	07.29.59	-50	77.5	117.5	BB1	3	1	73.5	26 7	197	-24	134.9	174.9	254
12A103/016	07·29 59	-50	112.5	160.0	BB1	3	1	73 2	26.7	196	-23	169 9	217.4	253
12A016/003	09 10.27	-50	125.0	132 5	BB1	4	1	77.6	48.1	201	-48	182.4	189 9	258
12A031/005	08 10.27	-50	125.0	132.5	BB1	4	1	75.1	36.1	198	-32	182.4	189.9	255
12A039/006	07.24·27	-50	125.0	132.5	BB1	4	1	72.2	25.2	195	-22	182.4	189.9	252
12A241/031	08:30 27	-50	125.0	132.5	BB1	4	1	77.8	39 1	201	-36	182.4	189.9	258
12B057/036	09.00.27	-50	132.5	135.0	BB1	4	1	80.0	45.9	203	-43	189.9	192.4	260
12B065/038	09:30.27	-50	132.5	135.0	BB1	4	1	81.8	52.6	205	-49	189.9	192.4	262

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HIGH-RESOLUTION CAMERA EVENTS
SORTED BY ELEVATION AND START AZIMUTH
FOR SEGMENTS OF THE DAY

00-10 HOURS LLT

CELABEL	LLT	EPA	AZSTART	AZSTOP	DIODE	GAIN	OFFSET	SUNAZ	SUNEL	ASOLAZ	ASOLEL	RELATIVE TO NORTH AZSTART	RELATIVE TO NORTH AZSTOP	RELATIVE TO NORTH ASOLAZ
CAMERA 1														
11B051/036	07:19 59	0	10.0	30.0	BB4	4	1	74.2	23.8	13	-21	251.4	271.4	255
11A154/027	07 20:00	0	30 0	100.0	BB4	4	1	73 4	24 6	13	-22	271 4	341.4	255
11A129/022	08.10.00	0	100.0	195.0	BB4	4	1	76.0	35.4	16	-32	341.4	76.4	258
11A156/027	07 34 00	0	195.0	290.0	BB4	4	1	74 3	27.6	14	-25	76.4	171.4	256
11A157/027	07:50 00	0	290 0	310.0	BB4	4	1	75 2	31.0	15	-28	171.4	191.4	257
11A158/027	08:00:00	0	310.0	327.5	BB4	4	1	75.8	33.2	16	-30	191.4	208.9	258
11B064/038	08:00:00	0	325.0	335 0	BB4	4	1	76.9	32.5	16	-29	206.4	216.4	258
11A111/019	07 20 00	-10	40.0	60.0	BB3	4	1	72.7	24.6	12	-22	281.4	301.4	254
11A097/014	07:30:00	-10	132.5	252.5	BB3	4	1	73.0	26.6	13	-24	13.9	133.9	255
11A159/027	09:34:27	-10	155 0	165 0	BB3	3	1	80.7	53.9	21	-51	36.4	46 4	263
11B124/045	06 57:59	-10	155.0	185.0	BB3	4	1	73 6	19.1	12	-16	36.4	66.4	254
11B149/065	06.57 39	-10	155.0	185.0	BB3	4	1	76.2	19 0	15	-16	36.4	66.4	257
11B174/085	06 57.59	-10	167.5	187.5	BB3	4	1	79 4	18 8	18	-16	48.9	68 9	260
11B130/051	06.59:29	-10	185.0	215.0	BB3	3	1	74.4	19.4	13	-16	66.4	96 4	255
11B15-/071	06:59 10	-10	185.0	215.0	BB3	3	1	77.2	19.2	16	-16	66.4	96.4	258
11B194/100	06:59:29	-10	187.5	215.0	BB3	3	1	82 3	18 8	21	-16	68.9	96 4	263
11B068/039	08 06.27	-10	240.0	250 0	BB4	4	1	77 4	34.0	16	-31	121.4	131.4	258
11A142/025	05.44.59	-10	292.5	335.0	BB4	3	1	66 0	4.6	5	-2	173.9	216.4	247
11B129/050	06 30 00	-10	300.0	335.0	BB3	3	1	72 1	13 1	11	-10	181.4	216 4	253
11B154/070	06 29 40	-10	300 0	335 0	BB3	3	1	74 8	12.8	13	-10	181 4	216.4	255
11B179/090	06 29.29	-10	300.0	327.5	BB3	3	1	78 0	12 4	16	-9	181.4	208.9	258
11A025/004	07:29.59	-20	35.0	40.0	BB1	4	1	72 5	26.3	12	-26	276.4	281.4	254
11B052/036	07:24:59	-20	252 5	335 0	BB3	4	1	74 5	24.9	13	-22	133.9	216.4	255
11A078/012	08.24 59	-30	150 0	250 0	BB2	4	1	76 0	38 4	16	-35	31.4	131.4	258
11A055/008	06:47:59	-30	207 5	217.5	BB2	4	1	69 9	17.5	9	-15	68.9	98.9	251
11A058/008	08 48 59	-30	207.5	217 5	BB2	4	1	77 0	43.5	17	-40	88.9	98.9	259
11B180/091	09:04:59	-30	210.0	230 0	BB2	4	1	91.1	47 2	30	-44	91 4	111.4	272
11B076/040	07.39.59	-30	220.0	240.0	BB2	2	1	75.9	28 2	15	-25	101.4	121 4	257
11A048/007	07:12.00	-30	240 0	270 0	BB2	4	1	71 5	22.5	11	-20	121.4	151.4	253
11A023/004	07:23:59	-30	270.0	305 0	BB2	4	1	72 1	25.0	12	-25	151.4	186.4	254
11B053/036	07:34.59	-40	307 5	335 0	BB1	4	1	75.1	27.1	14	-24	188 9	216.4	256
11A079/012	08.34 59	-50	182 5	235 0	BB1	4	1	76 5	40.6	17	-38	63.9	116.4	259
11A138/024	09:19.59	-50	182.5	230.0	BB1	4	1	79.7	50 7	20	-48	63.9	111.4	262
11A022/004	07.11 59	-50	235.0	277 5	BB1	4	1	71 4	22.5	11	-22	116.4	158.9	253
11A100/015	07 30 00	-50	260.0	262.5	BB1	3	1	73.1	26.7	13	-24	141.4	143.9	255
CAMERA 2														
12A112/019	07 59:00	0	15.0	90 0	BB4	4	1	75.1	33.0	198	-30	72.4	147.4	255
12A183/029	05.39:40	0	75.0	100 0	BB4	3	1	66.0	2.5	188	-0	132.4	157.4	245
12A185/029	06.09:40	0	75.0	100.0	BB4	3	1	68.5	8.8	191	-6	132.4	157.4	248

VL-1 High-Resolution Camera Events Sorted by Elevation and Start Azimuth for Segments of Day

VL-1

HIGH-RESOLUTION CAMERA EVENTS
SORTED BY ELEVATION AND START AZIMUTH
FOR SEGMENTS OF THE DAY

00-10 HOURS LLT

CELABEL	LLT	EPA	AZSTART	AZSTOP	DIODE	GAIN	OFFSET	SUNAZ	SUNEL	ASOLAZ	ASOLEL	RELATIVE TO NORTH AZSTART	AZSTOP	ASOLAZ
12A187/029	06 24.40	0	75.0	100.0	BB4	3	1	69.7	11 9	192	-9	132.4	157.4	249
12A188/029	06 51:40	0	75.0	100 0	BB4	3	1	71.6	17.7	194	-15	132.4	157.4	251
12A116/020	07 53:59	0	90.0	217.5	BB4	4	1	74 9	31 9	198	-29	147.4	274 9	255
12A135/023	09.10:00	0	177.5	200 0	BB4	4	1	79.1	48.5	203	-45	234.9	257 4	260
12A155/027	07:30:00	0	217.5	227.5	BB4	4	1	74 0	26 7	197	-24	274.9	284 9	254
12A125/021	08:09:59	0	227 5	290 0	BB4	4	1	75 9	35.4	199	-32	284.9	347.4	256
12B063/038	07 47.00	0	285.0	335.0	BB4	4	1	76.1	29.7	199	-27	342.4	32.4	256
12B128/049	06.58:59	-10	10.0	40 0	BB3	3	1	74 2	19.3	197	-16	67.4	97.4	254
12B153/069	06 58:39	-10	10.0	40 0	BB3	3	1	76 8	19 2	199	-16	67.4	97.4	256
12B178/089	06:58 59	-10	20.0	37,5	BB3	3	1	80 2	19 0	203	-16	77.4	94 9	260
12A010/002	07:18 00	-10	65.0	155,0	BB4	4	1	71.7	23.7	195	-23	122 4	212.4	252
12A107/018	07.30:00	-10	155 0	207 5	BB3	4	1	74.8	26.7	196	-24	212.4	264.9	253
12A110/019	07.12.00	-10	265.0	310.0	BB3	4	1	72 2	22 9	195	-20	322.4	7.4	252
12B054/036	07 39.59	-20	15.0	80.0	BB3	4	1	75 4	28.1	198	-25	72.4	137.4	255
12A056/008	06 49 59	-20	22.5	32.5	BB3	4	1	70 1	17.9	193	-15	79.9	89 9	250
12A059/008	08:50.59	-20	22.5	32.5	BB3	4	1	77.1	43.9	201	-41	79.9	89.9	258
12B056/036	07:49:59	-20	167 5	192 5	BB3	4	1	76.0	30.3	199	-27	224 9	249.9	256
12A003/001	07:47:59	-30	80 0	140.0	BB2	4	1	73.2	30.0	197	-30	137.4	197 4	254
12A139/024	09 36.27	-30	105.0	115.0	BB3	4	1	80 5	54 4	204	-51	162.4	172.4	261
12B077/040	08.30.26	-30	107.5	117.5	BB2	4	1	78 9	39.3	202	-36	164.9	174.9	259
12B100/041	08:12:26	-30	107 5	117 5	BB2	4	1	77 9	35.3	201	-32	164 9	174.9	258
12B055/036	07.47.59	-30	140.0	142 5	BB2	4	1	75 9	29 9	199	-27	197.4	199.9	256
12A108/018	07:40 00	-30	142.5	167.5	BB2	4	1	73 9	28 9	197	-26	199.9	224.9	254
12A104/016	09 00.27	-40	110.0	117.5	BB1	4	1	78.1	46.3	202	-43	167 4	174.9	259
12B060/037	07:24:59	-50	52.5	77.5	BB1	4	1	74 6	24 9	197	-22	109.9	134.9	254
12A124/021	07:29:59	-50	77 5	117 5	BB1	3	1	73.5	26.7	197	-24	134.9	174 9	254
12A103/016	07:29 59	-50	112.5	160.0	BB1	3	1	73 2	26.7	196	-23	169.9	217.4	253
12A016/003	09:10 27	-50	125.0	132 5	BB1	4	1	77 6	48 1	201	-48	182 4	189 9	258
12A031/005	08.10:27	-50	125 0	132.5	BB1	4	1	75 1	36 1	198	-32	182.4	189.9	255
12A039/006	07:24 27	-50	125.0	132 5	BB1	4	1	72.2	25.2	195	-22	182.4	189.9	252
12A241/031	08.30.27	-50	125.0	132.5	BB1	4	1	77.8	39.1	201	-36	182.4	189.9	258
12B057/036	09:00.27	-50	132.5	135 0	BB1	4	1	80.0	45.9	203	-43	189.9	192 4	260
12B065/038	09:30:27	-50	132.5	135.0	BB1	4	1	81.8	52.6	205	-49	189.9	192.4	262

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HIGH-RESOLUTION CAMERA EVENTS
SORTED BY ELEVATION AND START AZIMUTH
FOR SEGMENTS OF THE DAY

10-14 HOURS LLT

CELABEL	LLT	EPA	AZSTART	AZSTOP	DIODE	GAIN	OFFSET	SUNAZ	SUNEL	ASOLAZ	ASOLEL	RELATIVE TO NORTH AZSTART	RELATIVE TO NORTH AZSTOP	RELATIVE TO NORTH ASOLAZ
CAMERA 1														
11A032/005	10:46:41	0	277.5	302.5	BB1	5	1	80 0	69.3	22	-66	158.9	183.9	264
11A060/008	10.49 52	10	210.0	217.5	BB2	4	1	80 3	70 1	22	-67	91.4	98 9	264
11A131/022	13:22 00	-10	150.0	192 5	BB3	4	1	277.6	75.4	215	-78	31.4	73.9	96
11A254/032	13:54 59	-10	150.0	190 0	BB4	4	1	276.2	68 3	213	-71	31.4	71.4	94
11B137/052	12.30 59	-10	155.0	185.0	BB3	4	1	250.8	86 2	137	-87	36.4	66.4	18
11B162/072	12.30:39	-10	155.0	185 0	BB3	4	1	228 2	84 3	135	-85	36 4	66 4	16
11B187/092	12.30 59	-10	167.5	187 5	BB3	4	1	216.6	81 3	135	-81	48.9	68 9	16
11B142/057	12.12.59	-10	300.0	335 0	BB3	3	1	169.1	88 1	67	-85	181.4	216 4	309
11B167/077	12.12 39	-10	300.0	335 0	BB3	3	1	183 5	85.4	92	-84	181.4	216 4	334
11B192/097	12.12 59	-10	300 0	327 5	BB3	3	1	188 0	82 0	107	-81	181.4	208 9	349
11B093/040	12.42 09	-20	280.0	285.0	BB2	3	1	270.6	84 3	194	-87	161.4	166 4	75
11A130/022	10:10 27	-20	295.0	305.0	BB3	4	1	81 5	61.9	22	-59	176.4	186 4	264
11B117/042	11:30 27	-20	297.5	307.5	BB3	4	1	89 2	79.6	31	-76	178 9	188.9	273
11A098/014	10.10.27	-30	212.5	220 0	BB2	4	1	80.5	61 7	21	-58	93 9	101 4	263
11B078/040	11:06 44	-30	282.5	290 0	BB1	3	1	86 9	74.2	28	-71	163.9	171.4	270
11B019/034	10.42:52	-30	290 0	300,0	BB2	4	1	84.3	68 7	25	-65	171 4	181.4	267
11B020/034	11.42 52	-30	290.0	300.0	BB2	4	1	84.9	82 1	29	-79	171.4	181.4	271
11A253/032	11 28.27	-40	205.0	207.5	BB1	4	1	84.4	78 8	27	-76	86.4	88.9	269
11A202/029	10:30 06	-50	237.5	245.0	BB1	4	1	82 8	65 7	23	-62	118.9	126.4	265
CAMERA 2														
12A080/012	10:00:27	-20	22 5	30 0	BB3	4	1	80 0	59.4	204	-56	79.9	87 4	261
12A101/015	13.40 00	-20	285 0	290 0	BB1	4	1	278 8	71.5	40	-74	342.4	347 4	97
12A242/031	13.39 59	-20	285.0	290,0	BB1	3	1	276 1	71.7	37	-74	342.4	347.4	94
12A043/006	12:30 00	-20	305.0	310,0	BB1	4	1	310 2	86.9	142	-88	2.4	7 4	199
12A243/031	13:49:59	-30	102 5	112 5	BB2	4	1	276 3	69.4	37	-72	159.9	169.9	94
12B030/034	12:55 00	-30	102 5	112.5	BB2	4	1	275 0	81.6	32	-84	159.9	169.9	89
12A014/002	13:06 00	-30	295.0	305,0	BB1	4	1	283.6	79 5	45	-79	352.4	2.4	102
12A068/009	10.59:59	-30	295 0	305,0	BB1	5	1	80 3	72.4	206	-69	352.4	2 4	263
12A109/018	12.10 27	-30	295.0	302,5	BB1	5	1	43 4	88.0	203	-85	352.4	359.9	260
12A126/021	10:00 27	-30	295 0	302,5	BB1	5	1	81 0	59 7	205	-56	352.4	359.9	262
12A102/015	13:43.00	-40	80.0	100,0	BB1	4	1	278.8	70 9	40	-73	137.4	157 4	97
12A070/010	10.10 27	-40	110.0	117 5	BB1	4	1	80 1	61.5	204	-58	167.4	174.9	261
12A013/002	10:29.50	-50	117.5	155 0	BB1	4	1	79.8	65.5	204	-65	174.9	212 4	261
12A236/030	10:00.07	-50	125.0	132,5	BB1	4	1	81 9	59.0	206	-56	182.4	189.9	263

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HIGH-RESOLUTION CAMERA EVENTS
SORTED BY ELEVATION AND START AZIMUTH
FOR SEGMENTS OF THE DAY

14-16 HOURS LLT

CELABEL	LLT	EPA	AZSTART	AZSTOP	DIODE	GAIN	OFFSET	SUNAZ	SUNEL	ASOLAZ	ASOLEL	RELATIVE TO NORTH AZSTART	RELATIVE TO NORTH AZSTOP	RELATIVE TO NORTH ASOLAZ
CAMERA 1														
11A173/028	14.49 34	0	10.0	60.0	BB4	4	1	278 8	56.2	216	-59	251.4	301.4	97
11A174/028	15:20 23	0	55.0	105.0	BB4	4	1	280.2	49.4	218	-52	296.4	346 4	99
11A250/031	14·38 28	0	100.0	160 0	BB4	4	1	278 0	58.6	215	-61	341.4	41.4	96
11A118/020	14·49 59	0	217 5	227.5	BB1	5	1	279.7	55.9	218	-58	98.9	108 9	99
11B037/034	14 55 57	0	247.5	307 5	BB4	4	1	278.3	54.6	216	-57	128.9	188.9	97
11A066/008	14 23 59	0	260.0	275 0	BB4	4	1	280 0	62.1	219	-65	141.4	156.4	100
11B036/034	14·25 02	0	287.5	335.0	BB4	4	1	277 0	61 5	214	-64	168.9	216.4	95
11B073/039	14.31·41	-10	30 0	90.0	BB3	4	1	276 4	59.8	214	-62	271.4	331 4	95
11A251/031	15 09.23	-10	127.5	187 5	BB4	4	1	279.3	51 7	217	-54	8.9	68 9	98
11A143/025	14·59 39	-10	155 0	202.5	BB4	4	1	279.5	53 6	218	-56	36.4	83.9	99
11B126/046	14·28·59	-10	155.0	185.0	BB3	4	1	275.0	60.1	212	-63	36.4	66.4	93
11B151/066	14.28.40	-10	155.0	185.0	BB3	4	1	270 5	59.1	207	-62	36 4	66.4	88
11B176/086	14 28·59	-10	167 5	187.5	BB3	4	1	265.3	57 6	202	-60	48.9	68.9	83
11A077/011	15 26 46	-10	180 0	260.0	BB4	4	1	281.9	48.2	221	-51	61.4	141.4	102
11A127/021	15 12 30	-10	202 5	335.0	BB3	4	1	280 6	50.9	219	-53	83.9	216.4	100
11A030/004	15.45·16	-10	260.0	340 0	BB3	4	1	283.0	44.4	222	-44	141.4	221 4	103
11A017/003	14.28:00	-20	272.5	300 0	BB3	4	1	280.4	61.5	219	-61	153.9	181.4	100
11A069/009	15.32.54	-30	145 0	225 0	BB2	4	1	282.3	46 9	221	-49	26.4	106 4	102
11A144/025	15.30.27	-30	155.0	210.0	BB2	4	1	281.0	46.8	220	-49	36.4	91.4	101
11B058/036	14.14:41	-30	180 0	230.0	BB2	4	1	276 2	63.7	213	-66	61.4	111.4	94
11A037/005	15 43·10	-30	182 5	242 5	BB2	4	1	282.9	44.9	222	-47	63.9	123.9	103
11A114/019	15.17·02	-30	190.0	322.5	BB2	4	1	280.9	49.9	220	-52	71.4	203.9	101
11A065/008	14 19:59	-30	207.5	217.5	BB2	4	1	279 9	63.0	218	-66	88.9	98.9	99
11B144/059	15 08 59	-30	207 5	242.5	BB2	4	1	275.1	50.4	213	-53	88.9	123.9	94
11B169/079	15.08·40	-30	207.5	242.5	BB2	4	1	271.1	49.2	208	-52	88.9	123.9	89
11A067/008	15 35:42	-30	225.0	305 0	BB2	4	1	282.4	46.4	221	-49	106.4	186.4	102
11B140/055	14.01.59	-30	270.0	305.0	BB2	4	1	271 0	65 7	207	-68	151.4	186.4	88
11B165/075	14 01·40	-30	270.0	305.0	BB2	4	1	265.1	64.6	201	-67	151.4	186.4	82
11B190/095	14 01 59	-30	277.5	305 0	BB2	4	1	258.6	62.8	194	-65	158 9	186.4	75
11A141/024	15 36 24	-30	320.0	335 0	BB2	4	1	281 4	45.6	220	-48	201.4	216.4	101
11B067/038	14 37 00	-40	260.0	320.0	BB1	4	1	276.8	58.6	214	-61	141.4	201.4	95
11B050/035	14 51·08	-50	167.5	227.5	BB1	4	1	278.0	55.6	216	-58	48.9	108.9	97
11A115/019	15 49·01	-50	182.5	195.0	BB1	4	1	282.4	42.9	221	-45	63.9	76.4	102
11A120/020	15 46.49	-50	182.5	195.0	BB1	4	1	282.3	43.4	221	-46	63.9	76.4	102
11A128/021	15.44.28	-50	182.5	195.0	BB1	4	1	282 1	43.9	221	-46	63.9	76.4	102
11A132/022	15.09·59	-50	195 0	327.5	BB1	4	1	280 3	51.4	219	-54	76.4	208.9	100
11A051/007	15·38 25	-50	200.0	260.0	BB1	4	1	282.6	45.8	222	-48	81.4	141.4	103
11B059/036	14.45.37	-50	220.0	280 0	BB1	4	1	277 6	56 8	215	-59	101.4	161.4	96
11A133/022	15 41.58	-50	237.5	250 0	BB1	4	1	281.8	44.4	221	-47	118.9	131.4	102
11A137/023	15:39:16	-50	247.5	260.0	BB1	4	1	281.6	45.0	220	-47	128.9	141.4	101

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HIGH-RESOLUTION CAMERA EVENTS
SORTED BY ELEVATION AND START AZIMUTH
FOR SEGMENTS OF THE DAY

14-16 HOURS LLT

CELABEL	LLT	EPA	AZSTART	AZSTOP	DIODE	GAIN	OFFSET	SUNAZ	SUNEL	ASOLAZ	ASOLEL	RELATIVE TO NORTH AZSTART	RELATIVE TO NORTH AZSTOP	RELATIVE TO NORTH ASOLAZ
CAMERA 2														
12A212/029	15:16:42	0	85.0	145 0	BB4	4	1	279 9	50 2	42	-53	142.4	202.4	99
12A211/029	14:45:47	0	120 0	180.0	BB4	4	1	278 6	57.0	40	-60	177.4	237.4	97
12A237/030	14.41:02	0	157.5	217 5	BB4	4	1	278 2	58.0	40	-61	214 9	274.9	97
12A165/027	15:23:54	0	220.0	280 0	BB4	4	1	280.4	48 2	43	-51	277.4	337 4	100
12B000/032	15:07:29	0	250.0	310 0	BB4	4	1	279 1	52.1	41	-55	307.4	7.4	98
12A255/032	14.31:43	0	290.0	335 0	BB4	4	1	277.6	60 0	39	-63	347.4	32.4	96
12A119/020	15:14 51	-10	5 0	137 5	BB3	4	1	280.8	50.4	43	-53	62.4	194.9	100
12A153/026	15.27:20	-10	132.5	192 5	BB4	4	1	280.7	47.5	43	-50	189.9	249 9	100
12A164/027	14:52.59	-10	175.0	235.0	BB4	4	1	279 0	55.1	41	-58	232.4	292 4	98
12A036/005	14:59 59	-10	197.5	212.5	BB1	5	1	281.2	54.3	43	-57	254.9	269.9	100
12B016/033	14:27.15	-10	260.0	320 0	BB3	4	1	277.2	61 0	39	-64	317.4	17.4	96
12A238/030	15 11:57	-20	172.5	232 5	BB2	4	1	279 6	51 2	41	-54	229.9	289.9	98
12B103/041	15.58 44	-20	290.0	295 0	BB3	3	1	280.7	40.3	43	-43	347.4	352 4	100
12A140/024	15 04 26	-30	5.0	145 0	BB2	4	1	279 9	52 6	42	-55	62.4	202 4	99
12B138/053	14:01 59	-30	85.0	120.0	BB2	4	1	271.6	65 8	32	-68	142.4	177.4	89
12B163/073	14:01:39	-30	85.0	120 0	BB2	4	1	265.7	64 7	26	-67	142.4	177.4	83
12B188/093	14.01.58	-30	92.5	120 0	BB2	4	1	259.3	63 0	19	-65	149.9	177.4	76
12A152/026	14.56 24	-30	132.5	192 5	BB2	4	1	279.3	54.3	41	-57	189 9	249.9	98
12A136/023	15.07 17	-50	30.0	162.5	BB1	4	1	280.1	52.0	42	-54	87.4	219 9	99
12A081/012	15:36.22	-50	60.0	160 0	BB1	4	1	282.2	46.4	44	-49	117.4	217 4	101
12A009/001	15:50.28	-50	80.0	160 0	BB1	4	1	283.8	43 3	48	-43	137.4	217 4	105
12B017/033	15.03 00	-50	142.5	202 5	BB1	4	1	278.8	53.0	40	-56	199.9	259.9	97

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HIGH-RESOLUTION CAMERA EVENTS
SORTED BY ELEVATION AND START AZIMUTH
FOR SEGMENTS OF THE DAY

16-24:39 HOURS LLT

CELABEL	LLT	EPA	AZSTART	AZSTOP	DIODE	GAIN	OFFSET	SUNAZ	SUNEL	ASOLAZ	ASOLEL	RELATIVE TO NORTH AZSTART	AZSTOP	ASOLAZ
CAMERA 1														
11B098/040	17:36:59	0	90.0	155.0	BB4	3	1	286 9	18.9	225	-21	331.4	36.4	106
11B099/040	17:43:59	-10	35.0	65.0	BB3	3	1	287.4	17.4	226	-20	276.4	306.4	107
11B097/040	17:25.59	-10	130.0	230.0	BB3	3	1	286.2	21.2	224	-24	11.4	111.4	105
11B139/054	17:27 59	-10	155.0	185.0	BB3	4	1	285 0	19 9	223	-22	36.4	66.4	104
11B164/074	17:27:40	-10	155.0	185.0	BB3	4	1	282.5	18.5	221	-21	36.4	66.4	102
11B189/094	17.27.59	-10	167.5	187.5	BB3	4	1	279 6	16.7	218	-19	48.9	68.9	99
11B120/042	17:30:00	-10	230.0	330.0	BB3	3	1	286 3	20.3	224	-23	111.4	211.4	105
11B123/043	17:34:00	-10	300.0	335.0	BB3	3	1	286.5	19.3	225	-22	181.4	216.4	106
11B148/063	17:33.40	-10	300.0	335.0	BB3	3	1	284.4	18.1	223	-21	181.4	216.4	104
11B173/083	17:33.21	-10	300.0	335.0	BB3	3	1	281.7	16 5	220	-19	181.4	216.4	101
11A052/007	17:41:59	-30	207.5	217.5	BB2	4	1	289 5	19.2	229	-22	88.9	98.9	110
CAMERA 2														
12B108/041	17:14:59	0	90.0	105 0	BB4	3	1	285.4	23.6	48	-26	147.4	162.4	105
12A235/029	17:45:40	0	140.0	290 0	BB4	3	1	288.4	17.6	51	-20	197.4	347 4	108
12B096/040	17:16:59	-10	12.5	102.5	BB3	3	1	285.6	23.2	48	-26	69.9	159.9	105
12B112/041	17.37:59	-10	267.5	310 0	BB3	3	1	286 9	18.6	49	-21	324.9	7.4	106
12A054/007	17:44.59	-20	22.5	32.5	BB3	4	1	289.7	18.5	52	-21	79.9	89.9	109
12A252/031	16:59.59	-20	25 0	30.0	BB1	3	1	285 2	27.4	47	-30	82.4	87.4	104
12B111/041	17:27:59	-20	115.0	202 5	BB3	3	1	286 2	20.8	48	-23	172.4	259.9	105
12B104/041	16:01:09	-20	290.0	295.0	BB3	3	1	280.9	39.8	43	-42	347.4	352.4	100
12B106/041	16:05.09	-20	290.0	295.0	BB3	3	1	281.1	38.9	43	-41	347.4	352.4	100
12B110/041	17:21.59	-30	77.5	115.0	BB2	3	1	285.8	22.1	48	-25	134.9	172.4	105
12A001/000	16:13:21	-50	102.5	160.0	BB1	4	1	284.9	38.7	49	-38	159.9	217.4	106

VL-1 SURVEY CAMERA EVENTS

SURVEY CAMERA EVENTS

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
12A002/000	16·19.04	SURV	10 0	310 0	-10	12	1	4
12A004/001	10:36 27	SURV	132 5	150.0	-30	.12	1	4
12A005/001	12.35 59	SURV	305 0	310.0	-10	.12	1	4
12A012/002	08.00.27	SURV	132.5	150.0	-30	.12	1	4
11A018/003	14·32.00	SURV	10.0	310 0	-10	.12	1	4
12A026/004	09:00.27	SURV	132.5	150 0	-30	.12	1	4
12A027/004	12·47 59	SURV	310 0	335 0	-30	.12	1	5
12A028/004	12:49.59	SURV	277 5	285.0	-10	.12	1	4
12A050/007	11:36 27	SURV	20.0	37.5	-30	.12	1	4
11A057/008	07.20 57	SURV	7.5	37.5	-20	12	1	4
12A061/008	11 49 00	SURV	310.0	335.0	-30	12	1	5
12A064/008	12:12 27	SURV	20 0	37 5	-30	.12	1	4
12A092/013	09.06·27	SURV	132.5	150.0	-30	.12	1	4
11A095/013	13·23 59	SURV	15.0	35.0	-20	12	1	5
11A096/014	06 56 20	SURV	15.0	35.0	-20	12	1	3
11A099/014	13·24 00	SURV	15.0	35 0	-20	.12	1	5
11A105/017	07:29 59	SURV	215.0	230 0	0	.12	1	4
12A106/017	10.00 27	SURV	32.5	57 5	-10	.12	1	4
12A113/019	08:48 27	SURV	32.5	57.5	-10	.12	1	4
12A145/026	10·00.27	SURV	282.5	307 5	-30	.12	1	4
11A150/026	12.16 00	SURV	35 0	40.0	-10	12	1	4
11A151/026	12 18 00	SURV	205.0	305.0	-30	.12	1	4
12A171/028	12:15 41	SURV	285 0	290 0	-20	.12	1	4
12A172/028	12:17 41	SURV	57 5	145.0	-30	.12	1	4
12A246/031	13·58 59	SURV	102.5	112.5	-30	12	1	4
12A249/031	14 04 59	SURV	285.0	290.0	-20	12	1	4
12B023/034	12:28 00	SURV	145.0	170 0	-30	.12	1	4
12B026/034	12:40 00	SURV	170 0	197 5	0	.12	1	4
12B029/034	12:48 00	SURV	102 5	112.5	-30	.12	1	4
12B031/034	13 00·00	SURV	305.0	330.0	-30	12	1	5
12B034/034	13:07 00	SURV	285 0	290 0	-20	.12	1	4
12B038/035	09·36 27	SURV	132 5	150 0	-30	.12	1	4
11B041/035	11.53 59	SURV	35.0	40.0	-10	12	1	4
11B044/035	12.07 59	SURV	175.0	205.0	-30	12	1	4
11B047/035	12 24 59	SURV	115.0	175 0	0	.12	1	4
12B071/039	13·23.59	SURV	197.5	315 0	0	.12	1	4
12B079/040	11.29.59	SURV	305.0	310.0	-20	12	1	4
12B084/040	11:41 59	SURV	87.5	117.5	-10	.12	1	4
12B087/040	11·53·59	SURV	137.5	172.5	-10	.12	1	4
11B090/040	12:05 59	SURV	35.0	65.0	-10	.12	1	4

VL-1 VISUAL COLOR TRIPLET CAMERA EVENTS

VISUAL COLOR TRIPLET CAMERA EVENTS

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
12A006/001	12 41 59	COLOR	80 0	147 5	-20	12	1	5
12A008/001	14 44 59	COLOR	305 0	310 0	-10	12	1	5
11A021/003	18 56 00	COLOR	57 5	57 5	10	12	1	5
11A029/004	12 59 59	COLOR	275 0	307.5	-20	12	1	5
11A038/006	07 18 00	COLOR	15 0	40.0	-10	.12	1	5
11A040/006	12 00 00	COLOR	197 5	275.0	-30	.12	1	4
12A045/006	15 40 53	COLOR	80 0	147.5	-20	12	1	4
12A062/008	12 06 59	COLOR	22 5	32.5	-30	12	1	4
12A071/010	12 39 00	COLOR	147.5	187.5	-20	12	1	4
12A073/010	12 45 00	COLOR	305 0	310 0	-10	.12	1	4
12A074/010	15 29 55	COLOR	5 0	85 0	-10	.12	1	5
11A117/020	08 46.27	COLOR	212 5	220.0	-30	.12	1	4
11A146/026	11 42 00	COLOR	35 0	40 0	-10	.12	1	4
11A147/026	11 44 00	COLOR	205 0	305.0	-30	12	1	4
12A160/027	10 42 00	COLOR	285 0	290 0	-20	12	1	4
12A167/028	11 41 41	COLOR	285 0	290.0	-20	.12	1	4
12A168/028	11 43 41	COLOR	57 5	145.0	-30	.12	1	4
11A181/029	04 30 40	COLOR	177.5	177 5	10	12	1	1
11A182/029	04 57 40	COLOR	182 5	182 5	10	.12	1	5
11A190/029	07 55 41	COLOR	222 5	230.0	-30	.12	1	4
11A193/029	08 03 40	COLOR	185 0	187 5	-20	.12	1	4
11A195/029	08 07 40	COLOR	300 0	302.5	-10	12	1	4
11A197/029	08 11 40	COLOR	35 0	40 0	-10	.12	1	4
11A199/029	08 15 40	COLOR	275.0	277.5	-20	.12	1	4
11A203/029	12 05 40	COLOR	222 5	230.0	-30	12	1	4
11A205/029	12 13 40	COLOR	185 0	187.5	-20	.12	1	4
11A207/029	12 17 40	COLOR	300 0	302.5	-10	.12	1	4
11A209/029	12 21 40	COLOR	275 0	277.5	-20	.12	1	4
11A213/029	15 55 40	COLOR	222 5	230 0	-30	12	1	4
11A215/029	16 01 40	COLOR	300 0	302.5	-10	.12	1	4
11A217/029	16 27 40	COLOR	222 5	230.0	-30	12	1	4
11A219/029	16 33.40	COLOR	185 0	187 5	-20	.12	1	4
11A221/029	16 37 40	COLOR	300 0	302 5	-10	.12	1	4
11A223/029	16 41 40	COLOR	275 0	277.5	-20	.12	1	4
11A225/029	17 26 41	COLOR	222 5	230 0	-30	12	1	4
11A228/029	17 33.40	COLOR	185 0	187.5	-20	.12	1	4
11A230/029	17 37 40	COLOR	300 0	302.5	-10	12	1	4
11A232/029	17 41 40	COLOR	275 0	277.5	-20	.12	1	4
12A239/030	18 47 59	COLOR	130 0	190.0	-20	.12	1	1
12A240/030	19 12 59	COLOR	130 0	250.0	0	.12	1	5
12A244/031	13 54 59	COLOR	102 5	112.5	-30	.12	1	4
12A247/031	14 00 59	COLOR	285.0	290.0	-20	12	1	4
11B015/033	09 36 26	COLOR	212 5	222.5	-30	.12	1	4
11B018/034	09.04 27	COLOR	212.5	222.5	-30	.12	1	4
12B021/034	12 20 00	COLOR	145.0	170.0	-30	.12	1	4
12B024/034	12 32 00	COLOR	170 0	197 5	0	.12	1	4
12B027/034	12 44 00	COLOR	102.5	112 5	-30	.12	1	4
12B032/034	13 04 00	COLOR	285 0	290.0	-20	.12	1	4
11B039/035	11 49 59	COLOR	35.0	40.0	-10	.12	1	4
11B042/035	11 59.59	COLOR	175 0	205.0	-30	.12	1	4
11B045/035	12.11 59	COLOR	115.0	175.0	0	.12	1	4
12B069/039	12 59 59	COLOR	197 5	315 0	0	.12	1	4
12B081/040	11 32 59	COLOR	305 0	310 0	-20	.12	1	4
12B082/040	11 34 59	COLOR	87 5	117.5	-10	12	1	4
12B085/040	11.45.59	COLOR	137 5	172.5	-10	.12	1	4
11B088/040	11.58 59	COLOR	35.0	65 0	-10	.12	1	4
11B091/040	12 39 09	COLOR	280 0	285.0	-20	12	1	3
12B105/041	16 02 09	COLOR	290 0	295.0	-20	12	1	3
12B107/041	16 06.09	COLOR	285 0	305.0	-20	.12	1	3
12B114/041	19 04 59	COLOR	237 5	237.5	10	12	1	5
12B115/041	19 31.59	COLOR	240 0	240 0	10	.12	1	2
12B116/041	19 58.59	COLOR	242 5	242 5	10	.12	1	1
12B125/045	12 12 58	COLOR	85 0	120 0	-30	.12	1	4
12B141/057	09.36 29	COLOR	280 0	310 0	-10	.12	1	5
11B143/058	13 03 59	COLOR	175 0	205 0	-30	.12	1	4
12B147/062	16 27 59	COLOR	185 0	215.0	10	12	1	5
12B150/065	12 12 39	COLOR	85.0	120.0	-30	.12	1	4
12B166/076	09 59 59	COLOR	280 0	310.0	-10	.12	1	5
11B168/078	13 03 40	COLOR	175 0	205.0	-30	.12	1	4
12B172/082	16.27 40	COLOR	185 0	215.0	10	.12	1	5
12B175/085	12.12.58	COLOR	92.5	120.0	-30	.12	1	4
12B191/096	10.29 59	COLOR	285 0	300.0	-10	.12	1	5
11B193/098	13 03.59	COLOR	175.0	195.0	-30	.12	1	4
12B198/102	16.27:59	COLOR	187.5	207.5	10	.12	1	5

VL-1 INFRARED TRIPLET CAMERA EVENTS

VL-1

INFRARED TRIPLET CAMERA EVENTS

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
12A033/005	11 53 59	IR	77.5	130 0	-30	.12	1	4
12A035/005	12 29 59	IR	305.0	310 0	-10	12	1	5
11A091/013	07·29 59	IR	35.0	40 0	-10	.12	1	4
11A093/013	11:53 59	IR	205.0	280 0	-30	.12	1	4
11A148/026	11 59 00	IR	35 0	40.0	-10	12	1	4
11A149/026	12·01 00	IR	205.0	305 0	-30	12	1	4
12A169/028	11·58 41	IR	285.0	290 0	-20	12	1	4
12A170/028	12·00 41	IR	57.5	145 C	-30	12	1	4
11A192/029	07 59.40	IR	222.5	230.0	-30	12	1	4
11A194/029	08 05 40	IR	185.0	187 5	-20	.12	1	4
11A196/029	08.09 40	IR	300.0	302.5	-10	.12	1	4
11A198/029	08.13 40	IR	35.0	40.0	-10	12	1	4
11A200/029	08 17 40	IR	275.0	277 5	-20	12	1	4
11A204/029	12·09 40	IR	222.5	230 0	-30	.12	1	4
11A206/029	12:15 40	IR	185.0	187 5	-20	.12	1	4
11A208/029	12 19 40	IR	300 0	302.5	-10	12	1	4
11A210/029	12 23 40	IR	275 0	277 5	-20	.12	1	4
11A214/029	15 58 40	IR	222.5	230.0	-30	.12	1	4
11A216/029	16·03 40	IR	300.0	302 5	-10	.12	1	4
11A218/029	16 30 40	IR	222.5	230.0	-30	.12	1	4
11A220/029	16.35 40	IR	185 0	187 5	-20	12	1	4
11A222/029	16 39 40	IR	300.0	302.5	-10	12	1	4
11A224/029	16.43 40	IR	275.0	277 5	-20	.12	1	4
11A227/029	17:30 40	IR	222.5	230 0	-30	.12	1	4
11A229/029	17 35 40	IR	185.0	187 5	-20	.12	1	4
11A231/029	17.39 40	IR	300 0	302.5	-10	.12	1	4
11A233/029	17·43 40	IR	275.0	277 5	-20	.12	1	4
12A245/031	13 56 59	IR	102.5	112.5	-30	.12	1	4
12A248/031	14.02 59	IR	285.0	290.0	-20	.12	1	4
12B022/034	12 24 00	IR	145.0	170 0	-30	.12	1	4
12B025/034	12·36 00	IR	170 0	197.5	0	.12	1	4
12B028/034	12·46 00	IR	102 5	112.5	-30	.12	1	4
12B033/034	13.05 30	IR	285.0	290.0	-20	12	1	4
11B040/035	11 51 59	IR	35.0	40 0	-10	.12	1	4
11B043/035	12 03 59	IR	175.0	205.0	-30	.12	1	4
11B046/035	12.18.29	IR	115 0	175 0	0	.12	1	4
12B070/039	13.11 59	IR	197.5	315.0	0	12	1	4
12B080/040	11 31 29	IR	305.0	310.0	-20	.12	1	4
12B083/040	11 38·29	IR	87.5	117.5	-10	.12	1	4
12B086/040	11 49 59	IR	137.5	172 5	-10	.12	1	4
11B089/040	12 02 29	IR	35 0	65 0	-10	.12	1	4
11B092/040	12 40 09	IR	280.0	285 0	-20	.12	1	3
12B127/047	12 14 59	IR	85.0	120 0	-30	.12	1	4
11B145/060	13·03 59	IR	175 0	205 0	-30	.12	1	4
12B152/067	12 14 39	IR	85.0	120.0	-30	.12	1	4
11B170/080	13.03 39	IR	175.0	205.0	-30	.12	1	4
12B177/087	12·14 59	IR	92.5	120.0	-30	.12	1	4
11B195/100	13.03 59	IR	175.0	195.0	-30	.12	1	4

VL-1 VISUAL AND IR SINGLET CAMERA EVENTS

VL-1

VISUAL AND INFRARED SINGLET CAMERA EVENTS

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
12A121/020	17 07 59	BLU	185 0	232.5	10	.12	1	5
12A122/020	17.11 59	IR2	185 0	232.5	10	.12	1	5
12A134/023	05 50 00	BLU	85.0	100.0	-10	12	1	3
11A166/028	10:10.09	BLU	155.0	180.0	10	.12	1	5
12A176/028	21 51 07	BLU	55.0	60.0	30	.04	1	2
12A177/028	22 11 46	BLU	47.5	52.5	20	.04	1	1
12A178/029	00 01 40	BLU	185.0	190.0	30	.04	1	0
12A179/029	02.01 40	BLU	190 0	195 0	30	.04	1	0
12A180/029	04 01 40	BLU	192 5	197 5	30	04	1	0
11B001/032	23 08 25	IR2	232.5	237.5	30	.04	1	0
11B002/032	23 09 57	RED	232.5	237 5	30	.04	1	0
11B003/032	23.11 29	BLU	232 5	237 5	30	.04	1	1
11B004/032	23 13 01	IR3	232 5	235 0	30	.04	1	0
11B005/032	23.14 33	IR1	230 0	235.0	30	.04	1	0
11B007/032	23 18 25	IR2	230 0	235.0	20	.04	1	0
11B008/032	23 19:57	RED	230 0	232.5	20	.04	1	0
11B009/032	23.21 29	BLU	227.5	232.5	20	.04	1	1
11B010/032	23 23 25	GRN	227.5	232.5	20	04	1	0
11B011/032	23 27 25	IR2	227.5	230.0	20	.04	1	0
11B012/032	23:28.57	RED	225.0	230 0	20	.04	1	0
11B013/032	23:30.29	BLU	225.0	230.0	20	.04	1	0
11B061/037	14 06 14	BLU	80.0	230.0	10	.12	1	4
12B062/037	14 42 00	BLU	55.0	237 5	10	.12	1	4
12B072/039	13 55 56	BLU	95.0	145 0	-30	.04	1	4
12B074/040	00.44 25	BLU	192 5	197.5	20	04	1	0
12B075/040	01:04.17	BLU	185 0	190.0	30	04	1	1
11B095/040	14.25 54	BLU	270.0	330.0	-10	.04	1	4
12B101/041	13 44 15	RED	95.0	145.0	-30	.04	1	4
11B102/041	14.20 00	RED	270.0	330 0	-10	.04	1	4
12B118/042	13.38 28	GRN	95.0	145.0	-30	.04	1	4
11B119/042	14.14:14	GRN	270.0	330.0	-10	.04	1	4
12B121/043	13:32 13	RED	95.0	145.0	-30	.04	1	4
11B122/043	14:07:59	RED	270.0	330.0	-10	.04	1	4

VL-1 SUN IMAGERY CAMERA EVENTS

VL-1

SUN IMAGERY CAMERA EVENTS

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
11A046/006	17:54 00	SUN	32.5	67 5	10	.12	0	4
11A047/007	07 06.00	SUN	172.5	205 0	10	.12	0	4
11A083/012	17:36:59	SUN	47.5	52.5	30	.04	1	2
11A084/012	18.23 59	SUN	50.0	55.0	20	.04	1	2
11A085/012	18:47 59	SUN	52.5	57.5	10	.04	1	2
11A086/012	18.58 59	SUN	52 5	57.5	10	.04	1	2
11A087/013	05 35 59	SUN	180.0	185.0	10	.04	1	2
11A088/013	05.47.59	SUN	182.5	187 5	10	.04	1	2
11A089/013	06.11 59	SUN	185.0	190 0	20	.04	1	2
11A090/013	06.59 59	SUN	187.5	192.5	30	.04	1	2
12A175/028	18:06.20	SUN	232.5	235.0	20	.04	1	1
11A184/029	05:54.13	SUN	185.0	187.5	10	.04	1	0
11A186/029	06:21 43	SUN	187.5	190.0	20	.04	1	1
11A189/029	07 21:40	SUN	192.5	195.0	30	.04	1	2
12B109/041	17:19:59	SUN	227.5	230.0	30	.04	1	3
12B113/041	17:51 59	SUN	230.0	232 5	20	.04	1	2
12B146/061	17:15 14	SUN	210.0	237.5	30	.04	1	3
12B171/081	17:14 54	SUN	210.0	237.5	30	.04	1	3
12B196/101	17:15.14	SUN	217.5	227.5	20	.04	1	3
12B197/101	17:41.14	SUN	217.5	227.5	20	.04	1	3

VL-1 CALIBRATION AND SCAN VERIFICATION

CAMERA EVENTS

VL-1

CALIBRATION AND SCAN VERIFICATION CAMERA EVENTS

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
12A007/001	12:48 00	CAL	170.0	170.0	0		1	2
12A011/002	07:26:01	CAL	170.0	170.0	0		1	2
11A019/003	14:40.54	CAL	170.0	170.0	0		1	2
11A024/004	07 27:06	CAL	170.0	170.0	0		1	2
12A034/005	11:58 40	CAL	170.0	170.0	0		1	2
11A041/006	12:20:00	BB1	.0	5.0	0	.12	1	4
12A042/006	12 25:00	BB1	.0	5 0	0	.12	1	4
12A044/006	12 35:00	BB1	.0	5.0	0	.12	1	4
11A049/007	07:14 41	CAL	170 0	170.0	0		1	2
11A053/008	17.42:53	CAL	170.0	170.0	0		1	2
12A063/008	12:07:53	CAL	170.0	170.0	0		1	2
12A072/010	12.42 34	CAL	170.0	170.0	0		1	2
12A075/011	12 00.00	BB1	.0	5.0	0	12	1	4
12A076/011	12:04 59	BB1	.0	5.0	0	.12	1	4
11A094/013	11 60 42	CAL	170.0	170.0	0		1	2
12A123/020	17 13 26	CAL	170.0	170.0	0		1	2
11A161/027	12:50.01	BB1	.0	5.0	0	.12	1	4
11A162/027	12.49 43	CAL	170.0	170.0	0		1	2
12A163/027	12.52:00	BB1	.0	5 0	0	.12	1	4
11A191/029	07 55:23	CAL	170.0	170.0	0		1	2
11A201/029	08.17 54	CAL	170.0	170 0	0		1	2
11A226/029	17.26 23	CAL	170.0	170 0	0		1	2
11A234/029	17:43 54	CAL	170.0	170.0	0		1	2
11B014/032	23:30:56	CAL	170.0	170.0	0		1	2
12B035/034	13:07.10	CAL	170.0	170 0	0		1	2
11B048/035	12 26 46	CAL	170.0	170.0	0		1	2
11B131/051	12:59.59	BB1	0	5.0	0	.12	1	4
11B132/051	13:03 59	BB1	.0	5.0	0	.12	1	4
11B133/051	13 04 09	CAL	170.0	170.0	0		1	2
12B134/051	13:43 59	BB1	.0	5.0	0	.12	1	4
12B135/051	13:48 00	BB1	.0	5.0	0	.12	1	4
12B136/051	13:48.10	CAL	170.0	170.0	0		1	2
11B156/071	12:59 40	BB1	.0	5.0	0	.12	1	4
11B157/071	13:03.39	BB1	.0	5.0	0	.12	1	4
11B158/071	13:03 49	CAL	170.0	170.0	0		1	2
12B159/071	13:43 40	BB1	.0	5.0	0	.12	1	4
12B160/071	13.47 40	BB1	.0	5 0	0	.12	1	4
12B161/071	13:47 50	CAL	170.0	170.0	0		1	2
11B181/091	12:59 59	BB1	.0	5.0	0	.12	1	4
11B182/091	13.04:00	BB1	.0	5.0	0	.12	1	4
11B183/091	13.04 10	CAL	170.0	170.0	0		1	2
12B184/091	13.43:59	BB1	.0	5.0	0	.12	1	4
12B185/091	13;48.00	BB1	.0	5.0	0	.12	1	4
12B186/091	13:48:10	CAL	170.0	170.0	0		1	2

VL-1 RESCANNING CAMERA EVENTS

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RESCANNING CAMERA EVENTS

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	DATAPATH	RESCAN
12A004/001	10 36 27	SURV	132.5	150.0	-30	12	RT/SB	43
12A012/002	08 00 27	SURV	132.5	150.0	-30	12	RT/SB	43
11A021/003	18.56.00	COLOR	57.5	57 5	10	.12	REC/UH	57
12A026/004	09.00 27	SURV	132.5	150.0	-30	12	RT/SB	45
11A037/005	15 43 10	BB2	182 5	242.5	-30	.04	RT/UH	353
12A045/006	15.40 53	COLOR	80.0	147 5	-20	.12	RT/UH	53
12A050/007	11.36 27	SURV	20.0	37.5	-30	12	RT/SB	45
12A064/008	12:12.27	SURV	20.0	37.5	-30	12	RT/SB	48
12A092/013	09 06 27	SURV	132.5	150.0	-30	12	RT/SB	43
11A143/025	14 59 39	BB4	155.0	202 5	-10	04	RT/UH	29
11A181/029	04.30.40	COLOR	177.5	177.5	10	12	REC/UH	37
11A182/029	04.57 40	COLOR	182.5	182.5	10	12	REC/UH	37
11A253/032	11.28 27	BB1	205.0	207.5	-40	04	RT/SB	126
12A255/032	14:31 43	BB4	290.0	335.0	0	04	RT/UH	92
11B036/034	14.25 02	BB4	287 5	335 0	0	04	RT/UH	31
12B038/035	09 36 27	SURV	132 5	150.0	-30	12	RT/SB	50
12B057/036	09.00 27	BB1	132.5	135 0	-50	.04	RT/SB	134
12B065/038	09:30.27	BB1	132.5	135.0	-50	04	RT/SB	128
11B067/038	14.37 00	BB1	260.0	320.0	-40	.04	RT/UH	39
11B073/039	14:31 41	BB3	30.0	90 0	-10	.04	RT/UH	102
12B114/041	19 04 59	COLOR	237.5	237.5	10	.12	REC/UH	37
12B115/041	19.31:59	COLOR	240.0	240 0	10	.12	REC/UH	37
12B116/041	19.58.59	COLOR	242.5	242.5	10	.12	REC/UH	50

VL-1 IPL PICTURE IDENTIFIERS (EDR ORDER NUMBERS)

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IPL PICTURE IDENTIFIERS

(EDR ORDER NUMBERS)

CELABEL	DIODE	IPL PIC ID
12A001/000	BB1	77/02/08/173319
		77/02/08/173434
12A002/000	SURV	77/02/08/174136
		77/02/08/174217
		77/02/08/174254
		77/02/08/174341
12A003/001	BB2	77/02/08/174811
		77/02/08/174919
12A004/001	SURV	77/02/08/175458
12A005/001	SURV	77/02/08/180058
12A006/001	BLU	77/02/08/180708
	GRN	77/02/08/181359
	RED	77/02/08/182008
12A007/001	CAL	77/02/08/182608
12A008/001	BLU	77/02/08/183034
	GRN	77/02/08/183516
	RED	77/02/08/184136
12A009/001	BB1	77/02/08/184824
		77/02/08/184926
		77/02/08/185001
12A010/002	BB4	77/02/08/185846
		77/02/08/190019
		77/02/08/190129
12A011/002	CAL	77/02/08/190624
12A012/002	SURV	77/02/08/190942
12A013/002	BB1	77/02/08/191403
		77/02/08/191521
12A014/002	BB1	77/02/08/192030
12A016/003	BB1	77/02/08/214348
11A017/003	BB3	77/02/08/214702
11A018/003	SURV	77/02/08/215029
		77/02/08/215102
		77/02/08/215135
		77/02/08/215206
11A019/003	CAL	77/02/08/215519
11A021/003	BLU	77/02/08/215829
	GRN	77/02/08/220156
	RED	77/02/08/220512
11A022/004	BB1	77/02/08/221023
		77/02/08/221101
11A023/004	BB2	77/02/08/221638
11A024/004	CAL	77/02/08/222002
11A025/004	BB1	77/02/08/222346
12A026/004	SURV	77/02/08/222719
12A027/004	SURV	77/02/08/223018
12A028/004	SURV	77/02/08/223339
11A029/004	BLU	77/02/08/223723
	GRN	77/02/08/224027
	RED	77/02/08/224458
11A030/004	BB3	77/02/08/224814
		77/02/08/224843
		77/02/08/224911
12A031/005	BB1	77/02/10/004040
11A032/005	BB1	77/02/10/004905
12A033/005	IR3	77/02/10/005858
	IR2	77/02/10/010250
	IR1	77/02/10/011044
12A034/005	CAL	77/02/10/011348
12A035/005	IR3	77/02/10/011643
	IR2	77/02/10/011920
	IR1	77/02/10/012144
12A036/005	BB1	77/02/10/012354
11A037/005	BB2	77/02/10/012816
		77/02/10/012841
		77/02/10/012903
11A038/006	BLU	77/02/08/231119
	GRN	77/02/08/231609
	RED	77/02/08/232007
12A039/006	BB1	77/02/08/232449
11A040/006	BLU	77/02/08/232749
	GRN	77/02/08/233507
	RED	77/02/08/234157
11A041/006	BB1	77/02/08/234616
12A042/006	BB1	77/02/08/235001
12A043/006	BB1	77/02/08/235348
12A044/006	BB1	77/03/04/224336
12A045/006	BLU	77/03/04/224804
	GRN	77/03/04/225243
	RED	77/03/04/225811
11A046/006	SUN	77/03/04/230332
11A047/007	SUN	77/03/04/230931
11A048/007	BB2	77/03/04/231557
11A049/007	CAL	77/03/04/232217
12A050/007	SURV	77/03/04/232901
11A051/007	BB1	77/03/04/234009
		77/03/04/234132
		77/03/04/234207
11A052/007	BB2	77/02/10/144539
11A053/008	CAL	77/02/10/145015
12A054/007	BB3	77/02/10/145345
11A055/008	BB2	77/02/10/145703
12A056/008	BB3	77/02/10/150147
11A057/008	SURV	77/02/10/150521
11A058/008	BB2	77/02/10/150927
12A059/008	BB3	77/02/10/151234
11A060/008	BB2	77/02/10/151604
12A061/008	SURV	77/02/10/151852
12A062/008	BLU	77/02/10/152412
12A062/008	GRN	77/02/10/152723
	RED	77/02/10/153052
12A063/008	CAL	77/02/10/153445
12A064/008	SURV	77/02/10/153924
11A065/008	BB2	77/02/10/154145
11A066/008	BB4	77/02/10/154607
11A067/008	BB2	77/02/10/154941
		77/02/10/155012
		77/02/10/155045
12A068/009	BB1	77/02/10/215001
11A069/009	BB2	77/02/10/215319
		77/02/10/215347
		77/02/10/215411
12A070/010	BB1	77/02/10/215707
12A071/010	BLU	77/02/10/220038
	GRN	77/02/10/220332
	RED	77/02/10/220712
12A072/010	CAL	77/02/10/221009
12A073/010	BLU	77/02/10/221413
	GRN	77/02/10/221957
	RED	77/02/10/222411
12A074/010	BLU	77/02/10/222819
	GRN	77/02/10/223409
	RED	77/02/10/223834
12A075/011	BB1	77/02/10/224139
12A076/011	BB1	77/02/10/224515
11A077/011	BB4	77/02/10/224931
		77/02/10/225021
		77/02/10/225108
11A078/012	BB2	77/03/06/100700
		77/03/06/100730
		77/03/06/100805
		77/03/06/100832
11A079/012	BB1	77/03/06/101515
		77/03/06/101546
12A080/012	BB3	77/03/06/102237
12A081/012	BB1	77/03/06/103154
		77/03/06/103232
		77/03/06/103313
11A083/012	SUN	77/02/10/232633
11A084/012	SUN	77/02/10/233053
11A085/012	SUN	77/02/10/233513
11A086/012	SUN	77/02/10/233904
11A087/013	SUN	77/02/10/225305
11A088/013	SUN	77/02/10/225724
11A089/013	SUN	77/02/10/230114
11A090/013	SUN	77/02/10/230626
11A091/013	IR3	77/02/10/231208
	IR2	77/02/10/231552
11A091/013	IR1	77/02/10/231957
12A092/013	SURV	77/02/10/232348
11A093/013	IR3	77/02/10/232718
	IR2	77/02/10/233130
	IR1	77/02/10/233720
11A094/013	CAL	77/02/10/234053
11A095/013	SURV	77/02/10/234414
11A096/014	SURV	77/02/10/234721
11A097/014	BB3	77/02/10/235108
		77/02/10/235151
		77/02/10/235235
		77/02/10/235301
11A098/014	BB2	77/02/10/235621
11A099/014	SURV	77/02/10/235925
11A100/015	BB1	77/02/11/235335
12A101/015	BB1	77/02/11/235700
12A102/015	BB1	77/02/12/000009
12A103/016	BB1	77/02/12/000333
		77/02/12/000429
12A104/016	BB1	77/02/12/000733
11A105/017	SURV	77/02/12/001052
12A106/017	SURV	77/02/12/001359
12A107/018	BB3	77/02/12/001744
		77/02/12/001810
12A108/018	BB2	77/02/12/002234
12A109/018	BB1	77/02/12/002516
12A110/019	BB3	77/02/12/002805
		77/02/12/002835
11A111/019	BB3	77/02/12/003104
12A112/019	BB4	77/02/12/003354
		77/02/12/003423
		77/02/12/003449
12A113/019	SURV	77/02/12/003712
11A114/019	BB2	77/02/12/004307
		77/02/12/004334
		77/02/12/004411
		77/02/12/004440
		77/02/12/004505
11A115/019	BB1	77/02/12/004847
12A116/020	BB4	77/02/11/023924
		77/02/11/024054
		77/02/11/024217
		77/02/11/024306
		77/02/11/024426
11A117/020	BLU	77/02/11/024833
	GRN	77/02/11/025238
	RED	77/02/11/025728
11A118/020	BB1	77/02/11/030113
12A119/020	BB3	77/02/11/030723

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CELABEL	DIODE	IPL PIC ID
12A119/020	BB3	77/02/11/030814
		77/02/11/030913
		77/02/11/031014
		77/02/11/031118
11A120/020	BB1	77/02/11/031532
12A121/020	BLU	77/02/11/031932
12A122/020	IR2	77/02/11/032525
12A123/020	CAL	77/02/11/032919
12A124/021	BB1	77/02/11/033458
		77/02/11/033550
12A125/021	BB4	77/02/11/034013
		77/02/11/034121
12A126/021	BB1	77/02/11/034600
11A127/021	BB3	77/02/11/035327
		77/02/11/035408
		77/02/11/035439
		77/02/11/035508
		77/02/11/035539
11A128/021	BB1	77/02/11/040415
11A129/022	BB4	77/02/11/024514
		77/02/11/024604
		77/02/11/024659
11A130/022	BB3	77/02/11/025159
11A131/022	BB3	77/02/11/025732
		77/02/11/025850
11A132/022	BB1	77/02/11/030554
		77/02/11/030702
		77/02/11/030806
		77/02/11/030900
		77/02/11/031004
11A133/022	BB1	77/02/11/031453
12A134/023	BLU	77/02/11/031917
12A135/023	BB4	77/02/11/032657
12A136/023	BB1	77/02/11/033447
		77/02/11/033536
		77/02/11/033624
		77/02/11/033710
		77/02/11/033750
11A137/023	BB1	77/02/11/034238
11A138/024	BB1	77/02/11/034824
		77/02/11/034911
12A139/024	BB3	77/02/11/234949
12A140/024	BB2	77/02/11/235508
		77/02/11/235552
		77/02/11/235637
		77/02/11/235716
		77/02/11/235753
11A141/024	BB2	77/02/12/000129
11A142/025	BB4	77/02/12/000651
11A142/025	BB4	77/02/12/000738
11A143/025	BB4	77/02/12/001133
		77/02/12/001210
11A144/025	BB2	77/02/12/001600
		77/02/12/001650
12A145/026	SURV	77/02/12/004932
11A146/026	BLU	77/02/12/005229
	GRN	77/02/12/005500
	RED	77/02/12/005736
11A147/026	BLU	77/02/12/010032
	GRN	77/02/12/010345
	RED	77/02/12/010707
11A148/026	IR3	77/02/12/011036
	IR2	77/02/12/011356
	IR1	77/02/12/011706
11A149/026	IR3	77/02/12/012216
	IR2	77/02/12/012552
	IR1	77/02/12/012951
11A150/026	SURV	77/02/12/013409
11A151/026	SURV	77/02/12/013824
12A152/026	BB2	77/02/12/014231
		77/02/12/014324
12A153/026	BB4	77/02/12/014932
		77/02/12/015033
11A154/027	BB4	77/02/13/223353
		77/02/13/223437
		77/02/13/223519
12A155/027	BB4	77/02/13/224046
11A156/027	BB4	77/02/13/224526
		77/02/13/224623
		77/02/13/224715
11A157/027	BB4	77/02/13/225157
11A158/027	BB4	77/02/13/225744
11A159/027	BB3	77/02/13/230401
12A160/027	BLU	77/02/13/231205
	GRN	77/02/13/231833
	RED	77/02/13/232418
11A161/027	BB1	77/02/13/232857
11A162/027	CAL	77/02/13/233336
12A163/027	BB1	77/02/13/233910
12A164/027	BB4	77/02/13/234319
		77/02/13/234405
12A165/027	BB4	77/02/13/234812
		77/02/13/234917
11A166/028	BLU	77/02/12/015940
12A167/028	BLU	77/02/12/020519
	GRN	77/02/12/021038
	RED	77/02/12/021605
12A168/028	BLU	77/02/12/022112
12A168/028	GRN	77/02/12/022556
	RED	77/02/12/023128
12A169/028	IR3	77/02/12/023658
	IR2	77/02/12/024248
	IR1	77/02/12/024802
12A170/028	IR3	77/02/12/025352
	IR2	77/02/12/025751
	IR1	77/02/12/030236
12A171/028	SURV	77/02/12/030723
12A172/028	SURV	77/02/12/031154
11A173/028	BB4	77/02/12/031541
		77/02/12/031651
11A174/028	BB4	77/02/12/032052
		77/02/12/032124
12A175/028	SUN	77/02/12/032614
12A176/028	BLU	77/02/12/033318
12A177/028	BLU	77/02/12/033650
12A178/029	BLU	77/02/12/015500
12A179/029	BLU	77/02/12/020056
12A180/029	BLU	77/02/12/020756
11A181/029	BLU	77/02/12/021426
	GRN	77/02/12/022102
	RED	77/02/12/022644
11A182/029	BLU	77/02/12/023221
	GRN	77/02/12/023848
	RED	77/02/12/024511
12A183/029	BB4	77/02/12/025121
11A184/029	SUN	77/02/12/025754
12A185/029	BB4	77/02/12/030306
11A186/029	SUN	77/02/12/030905
12A187/029	BB4	77/02/12/031532
12A188/029	BB4	77/02/12/032131
11A189/029	SUN	77/02/12/032732
11A190/029	BLU	77/02/12/033137
	GRN	77/02/12/033639
	RED	77/02/12/034014
11A191/029	CAL	77/02/12/034314
11A192/029	IR3	77/02/12/034913
	IR2	77/02/12/035431
	IR1	77/02/12/035854
11A193/029	BLU	77/02/14/000519
	GRN	77/02/14/000836
	RED	77/02/14/001218
11A194/029	IR3	77/02/14/001538
	IR2	77/02/14/001917
	IR1	77/02/14/002241
11A195/029	BLU	77/02/14/002644
	GRN	77/02/14/003020
	RED	77/02/14/003355
11A196/029	IR3	77/02/14/003731
	IR2	77/02/14/004236
	IR1	77/02/14/004633
11A197/029	BLU	77/02/14/004937
	GRN	77/02/14/005340
	RED	77/02/14/005640
11A198/029	IR3	77/02/14/010012
	IR2	77/02/14/010336
	IR1	77/02/14/010658
11A199/029	BLU	77/02/14/011020
	GRN	77/02/14/011406
	RED	77/02/14/011856
11A200/029	IR3	77/02/14/012237
	IR2	77/02/14/012612
	IR1	77/02/14/013006
11A201/029	CAL	77/02/14/013351
11A202/029	BB1	77/02/12/013603
11A203/029	BLU	77/02/12/014023
	GRN	77/02/12/014451
	RED	77/02/12/014934
11A204/029	IR3	77/02/12/015532
	IR2	77/02/12/020134
	IR1	77/02/12/020747
11A205/029	BLU	77/02/12/021313
	GRN	77/02/12/021923
	RED	77/02/12/022625
11A206/029	IR3	77/02/12/023315
	IR2	77/02/12/023906
	IR1	77/02/12/024505
11A207/029	BLU	77/02/12/025008
	GRN	77/02/12/025508
	RED	77/02/12/030014
11A208/029	IR3	77/02/12/030534
	IR2	77/02/12/031107
	IR1	77/02/12/031641
11A209/029	BLU	77/02/12/032237
	GRN	77/02/12/033133
	RED	77/02/12/033623
11A210/029	IR3	77/02/14/000339
	IR2	77/02/14/001028
	IR1	77/02/14/001803
12A211/029	BB4	77/02/14/002528
		77/02/14/002623
12A212/029	BB4	77/02/14/003337
		77/02/14/003423
11A213/029	BLU	77/02/14/004044
	GRN	77/02/14/004640
	RED	77/02/14/005307
11A214/029	IR3	77/02/14/010345

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CELABEL	DIODE	IPL PIC ID
11A214/029	IR2	77/02/14/011122
	IR1	77/02/14/011756
11A215/029	BLU	77/02/14/012416
	GRN	77/02/14/013106
	RED	77/02/14/013700
11A216/029	IR3	77/02/14/014406
	IR2	77/02/14/014847
	IR1	77/02/14/015631
11A217/029	BLU	77/02/14/020335
	GRN	77/02/14/021110
	RED	77/02/14/021716
11A218/029	IR3	77/02/14/022415
	IR2	77/02/14/023208
	IR1	77/02/14/023905
11A219/029	BLU	77/02/12/010254
	GRN	77/02/12/010618
	RED	77/02/12/010957
11A220/029	IR3	77/02/12/011326
	IR2	77/02/12/011645
	IR1	77/02/12/011957
11A221/029	BLU	77/02/12/012259
	GRN	77/02/12/012628
	RED	77/02/12/013005
11A222/029	IR3	77/02/12/013416
	IR2	77/02/12/013949
	IR1	77/02/12/014347
11A223/029	BLU	77/02/12/014734
	GRN	77/02/12/015157
	RED	77/02/12/015644
11A224/029	IR3	77/02/12/020050
	IR2	77/02/12/020509
	IR1	77/02/12/020936
11A225/029	BLU	77/02/12/021429
	GRN	77/02/12/021932
	RED	77/02/12/022547
11A226/029	CAL	77/02/12/023032
11A227/029	IR3	77/02/12/023508
	IR2	77/02/12/023948
	IR1	77/02/12/024400
11A228/029	BLU	77/02/13/235614
	GRN	77/02/14/000134
	RED	77/02/14/000914
11A229/029	IR3	77/02/14/001531
	IR2	77/02/14/002245
	IR1	77/02/14/002947
11A230/029	BLU	77/02/14/003705
	GRN	77/02/14/004416
	RED	77/02/14/005219
11A231/029	IR3	77/02/14/005923
11A231/029	IR2	77/02/14/010442
	IR1	77/02/14/011201
11A232/029	BLU	77/02/14/011928
	GRN	77/02/14/012640
	RED	77/02/14/013312
11A233/029	IR3	77/02/14/013849
	IR2	77/02/14/014508
	IR1	77/02/14/015111
11A234/029	CAL	77/02/14/015730
12A235/029	BB4	77/02/14/020731
		77/02/14/020807
		77/02/14/020843
		77/02/14/020916
		77/02/14/021033
12A236/030	BB1	77/02/12/034843
12A237/030	BB4	77/02/12/035414
		77/02/12/035504
12A238/030	BB2	77/02/12/035931
		77/02/12/035959
12A239/030	BLU	77/02/12/040341
	GRN	77/02/12/040848
	RED	77/02/12/041259
12A240/030	BLU	77/02/12/041758
		77/02/12/041836
	GRN	77/02/12/042459
		77/02/12/042544
	RED	77/02/12/043023
		77/02/12/043108
12A241/031	BB1	77/02/12/043521
12A242/031	BB1	77/02/12/043928
12A243/031	BB2	77/02/12/044324
12A244/031	BLU	77/02/13/235140
	GRN	77/02/13/235641
	RED	77/02/14/000212
12A245/031	IR3	77/02/14/000943
	IR2	77/02/14/001637
	IR1	77/02/14/002345
12A246/031	SURV	77/02/14/003013
12A247/031	BLU	77/02/14/003723
	GRN	77/02/14/004433
	RED	77/02/14/005227
12A248/031	IR3	77/02/14/010231
	IR2	77/02/14/010720
	IR1	77/02/14/011352
12A249/031	SURV	77/02/14/012029
11A250/031	BB4	77/02/14/012801
		77/02/14/012852
11A251/031	BB4	77/02/14/013541
		77/02/14/013623
12A252/031	BB1	77/02/14/014314
11A253/032	BB1	77/02/12/040651
11A254/032	BB4	77/02/12/041155
		77/02/12/041242
12A255/032	BB4	77/02/12/041730
		77/02/12/041814
12B000/032	BB4	77/02/12/042250
		77/02/12/042322
11B001/032	IR2	77/02/12/042725
11B002/032	RED	77/02/12/043134
11B003/032	BLU	77/02/12/043547
11B004/032	IR3	77/02/12/044124
11B005/032	IR1	77/02/12/044507
11B006/032	SURV	77/02/12/044801
11B007/032	IR2	77/02/12/045039
11B008/032	RED	77/02/12/045321
11B009/032	BLU	77/02/12/045602
11B010/032	GRN	77/02/12/045857
11B011/032	IR2	77/02/12/050126
11B012/032	RED	77/02/12/050400
11B013/032	BLU	77/02/12/050638
11B014/032	CAL	77/02/12/051034
11B015/033	BLU	77/02/12/051303
	GRN	77/02/12/051534
	RED	77/02/12/051803
12B016/033	BB3	77/02/12/052052
		77/02/12/052118
12B017/033	BB1	77/02/12/052406
		77/02/12/052435
11B018/034	BLU	77/02/16/145204
	GRN	77/02/16/145443
	RED	77/02/16/145738
11B019/034	BB2	77/02/16/150041
11B020/034	BB2	77/02/16/150413
12B021/034	BLU	77/02/16/150633
	GRN	77/02/16/150912
	RED	77/02/16/151154
12B022/034	IR3	77/02/16/151450
	IR2	77/02/16/151824
	IR1	77/02/16/152239
12B023/034	SURV	77/02/16/152528
12B024/034	BLU	77/02/16/152813
	GRN	77/02/16/153823
	RED	77/02/16/154407
12B025/034	IR3	77/02/16/154809
	IR2	77/02/16/155028
	IR1	77/02/16/155254
12B026/034	SURV	77/02/16/155553
12B027/034	BLU	77/02/17/001830
12B027/034	GRN	77/02/17/002325
	RED	77/02/17/002832
12B028/034	IR3	77/02/17/003301
	IR2	77/02/17/003817
	IR1	77/02/17/004329
12B029/034	SURV	77/02/17/004720
12B030/034	BB2	77/02/17/005249
12B031/034	SURV	77/02/17/005716
12B032/034	BLU	77/02/17/010511
	GRN	77/02/17/011341
	RED	77/02/17/011901
12B033/034	IR3	77/02/17/012415
	IR2	77/02/17/012955
	IR1	77/02/17/013503
12B034/034	SURV	77/02/17/013953
12B035/034	CAL	77/02/17/014432
11B036/034	BB4	77/02/17/015052
		77/02/17/015204
11B037/034	BB4	77/02/17/015918
		77/02/17/020008
12B038/035	SURV	77/02/14/031346
11B039/035	BLU	77/02/14/031824
	GRN	77/02/14/032346
	RED	77/02/14/032929
11B040/035	IR3	77/02/14/033459
	IR2	77/02/14/033951
	IR1	77/02/14/034413
11B041/035	SURV	77/02/14/034939
11B042/035	BLU	77/02/14/035355
	GRN	77/02/14/035741
	RED	77/02/14/040409
11B043/035	IR3	77/02/14/040818
	IR2	77/02/14/041124
	IR1	77/02/14/041554
11B044/035	SURV	77/02/14/041945
11B045/035	BLU	77/02/14/042403
	GRN	77/02/14/042918
	RED	77/02/14/043347
11B046/035	IR3	77/02/14/043711
	IR2	77/02/14/044054
	IR1	77/02/14/044454
11B047/035	SURV	77/02/14/044712
11B048/035	CAL	77/02/14/044927
12B049/035	SURV	77/02/14/051706
		77/02/14/051739
11B050/035	BB1	77/02/14/052219
		77/02/14/052338
11B051/036	BB4	77/02/14/052845
11B052/036	BB3	77/02/14/053340

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IPL PICTURE IDENTIFIERS

(EDR ORDER NUMBERS)

CELABEL	DIODE	IPL PIC ID
11B052/036	BB3	77/02/14/053448
		77/02/14/053618
11B053/036	BB1	77/02/14/054048
12B054/036	BB3	77/02/14/054931
		77/02/14/055043
12B055/036	BB2	77/02/14/055442
12B056/036	BB3	77/02/14/055928
12B057/036	BB1	77/02/14/060400
11B058/036	BB2	77/02/14/060921
		77/02/14/061011
11B059/036	BB1	77/02/14/061348
		77/02/14/061444
12B060/037	BB1	77/02/14/014122
11B061/037	BLU	77/02/14/014607
		77/02/14/014702
12B062/037	BLU	77/02/14/015046
		77/02/14/015132
12B063/038	BB4	77/02/14/015514
		77/02/14/015628
11B064/038	BB4	77/02/14/020024
12B065/038	BB1	77/02/14/020411
12B066/038	SURV	77/02/14/021005
		77/02/14/021058
11B067/038	BB1	77/02/14/021542
		77/02/14/021631
11B068/039	BB4	77/02/14/022000
12B069/039	BLU	77/02/14/022342
		77/02/14/022438
	GRN	77/02/14/022759
		77/02/14/022834
	RED	77/02/14/023352
		77/02/14/023424
12B070/039	IR3	77/02/14/023746
		77/02/14/023858
	IR2	77/02/14/024327
		77/02/14/024416
	IR1	77/02/14/024746
		77/02/14/024824
12B071/039	SURV	77/02/14/025144
		77/02/14/025250
12B072/039	BLU	77/02/14/025850
		77/02/14/025956
11B0?3/039	BB3	77/02/14/030324
		77/02/14/030410
12B074/040	BLU	77/02/13/180356
12B075/040	BLU	77/02/13/180935
11B076/040	BB2	77/02/13/181539
12B077/040	BB2	77/02/13/182120
11B078/040	BB1	77/02/13/182647

CELABEL	DIODE	IPL PIC ID
12B079/040	SURV	77/02/13/183310
12B080/040	IR3	77/02/13/183735
	IR2	77/02/13/184301
	IR1	77/02/13/184906
12B081/040	BLU	77/02/13/185454
	GRN	77/02/13/190335
	RED	77/02/13/190910
12B082/040	BLU	77/02/13/191424
	GRN	77/02/13/191817
	RED	77/02/13/192217
12B083/040	IR3	77/02/13/192605
	IR2	77/02/13/192938
	IR1	77/02/13/193338
12B084/040	SURV	77/02/13/193657
12B085/040	BLU	77/02/14/022627
	GRN	77/02/14/023309
	RED	77/02/14/023959
12B086/040	IR3	77/02/14/024519
	IR2	77/02/14/025236
	IR1	77/02/14/025808
12B087/040	SURV	77/02/14/030435
11B088/040	BLU	77/02/14/015326
	GRN	77/02/14/020029
	RED	77/02/14/020657
11B089/040	IR3	77/02/14/021114
	IR2	77/02/14/021718
	IR1	77/02/14/022406
11B090/040	SURV	77/02/14/023229
11B091/040	BLU	77/02/14/023919
	GRN	77/02/14/024436
	RED	77/02/14/025035
11B092/040	IR3	77/02/14/025854
	IR2	77/02/14/030535
	IR1	77/02/14/031042
11B093/040	BB2	77/02/14/031652
11B094/040	SURV	77/02/14/032401
		77/02/14/032446
11B095/040	BLU	77/02/14/033215
		77/02/14/033305
12B096/040	BB3	77/02/14/034202
		77/02/14/034320
		77/02/14/034436
11B097/040	BB3	77/02/14/035109
		77/02/14/035157
		77/02/14/035259
		77/02/14/035351
11B098/040	BB4	77/02/14/035840
		77/02/14/035927
11B099/040	BB3	77/02/14/040520

CELABEL	DIODE	IPL PIC ID
12B100/041	BB2	77/02/13/200729
12B101/041	RED	77/02/13/201529
		77/02/13/201621
11B102/041	RED	77/02/13/202059
		77/02/13/202152
12B103/041	BB3	77/02/13/202646
12B104/041	BB3	77/02/13/203055
12B105/041	BLU	77/02/13/203513
	GRN	77/02/13/203832
	RED	77/02/13/204152
12B106/041	BB3	77/02/13/204650
12B107/041	BLU	77/02/13/204943
	GRN	77/02/13/205304
	RED	77/02/13/205657
12B108/041	BB4	77/02/13/205954
12B109/041	SUN	77/02/13/210335
12B110/041	BB2	77/02/13/210730
		77/02/13/210827
12B111/041	BB3	77/02/13/211431
		77/02/13/211513
		77/02/13/211557
12B112/041	BB3	77/02/13/211945
		77/02/13/212015
12B113/041	SUN	77/02/13/212317
12B114/041	BLU	77/02/13/212646
	GRN	77/02/13/212949
	RED	77/02/13/213228
12B115/041	BLU	77/02/14/031927
	GRN	77/02/14/032316
	RED	77/02/14/032735
12B116/041	BLU	77/02/14/033152
	GRN	77/02/14/033517
	RED	77/02/14/033946
11B117/042	BB3	77/02/14/034501
12B118/042	GRN	77/02/14/034903
		77/02/14/034951
11B119/042	GRN	77/02/14/035742
		77/02/14/035850
11B120/042	BB3	77/02/14/040334
		77/0./14/040425
		77/02/14/040534
		77/02/14/040632
12B121/043	RED	77/02/13/214602
		77/02/13/214646
11B122/043	RED	77/02/13/215202
		77/02/13/215238
11B123/043	BB3	77/02/13/215741
11B124/045	BB3	77/02/13/220319
12B125/045	BLU	77/02/13/220753

CELABEL	DIODE	IPL PIC ID
12B125/045	GRN	77/02/13/221248
	RED	77/02/13/221827
11B126/046	BB3	77/02/13/222357
12B127/047	IR3	77/02/13/223556
	IR2	77/02/13/224118
	IR1	77/02/13/224824
12B128/049	BB3	77/02/13/225612
11B129/050	BB3	77/02/13/230314
11B130/051	BB3	77/02/13/230920
11B131/051	BB1	77/02/13/231543
11B132/051	BB1	77/02/13/232230
11B133/051	CAL	77/02/13/232843
12B134/051	BB1	77/02/13/233524
12B135/051	BB1	77/02/15/002630
12B136/051	CAL	77/02/15/003145
11B137/052	BB3	77/02/15/003721
12B138/053	BB2	77/02/15/004136
11B139/054	BB3	77/02/15/004435
11B140/055	BB2	77/02/15/004932
12B141/057	BLU	77/02/15/005409
	GRN	77/02/15/005834
	RED	77/02/15/010129
11B142/057	BB3	77/02/15/010425
11B143/058	BLU	77/02/15/010928
	GRN	77/02/15/011240
	RED	77/02/15/011543
11B144/059	BB2	77/02/15/012004
11B145/060	IR3	77/02/15/012336
	IR2	77/02/15/012648
	IR1	77/02/15/013038
12B146/061	SUN	77/02/13/214706
12B147/062	BLU	77/02/13/215219
	GRN	77/02/13/215702
	RED	77/02/13/220249
11B148/063	BB3	77/02/13/220721
11B149/065	BB3	77/02/13/221222
12B150/065	BLU	77/02/13/221756
	GRN	77/02/13/222326
	RED	77/02/13/222901
11B151/066	BB3	77/02/13/223331
12B152/067	IR3	77/02/13/224101
	IR2	77/02/13/224740
	IR1	77/02/13/225434
12B153/069	BB3	77/02/13/230052
11B154/070	BB3	77/02/13/230718
11B155/071	BB3	77/02/13/231316
11B156/071	BB1	77/02/13/231833
11B157/071	BB1	77/02/13/232428
11B158/071	CAL	77/02/13/233103

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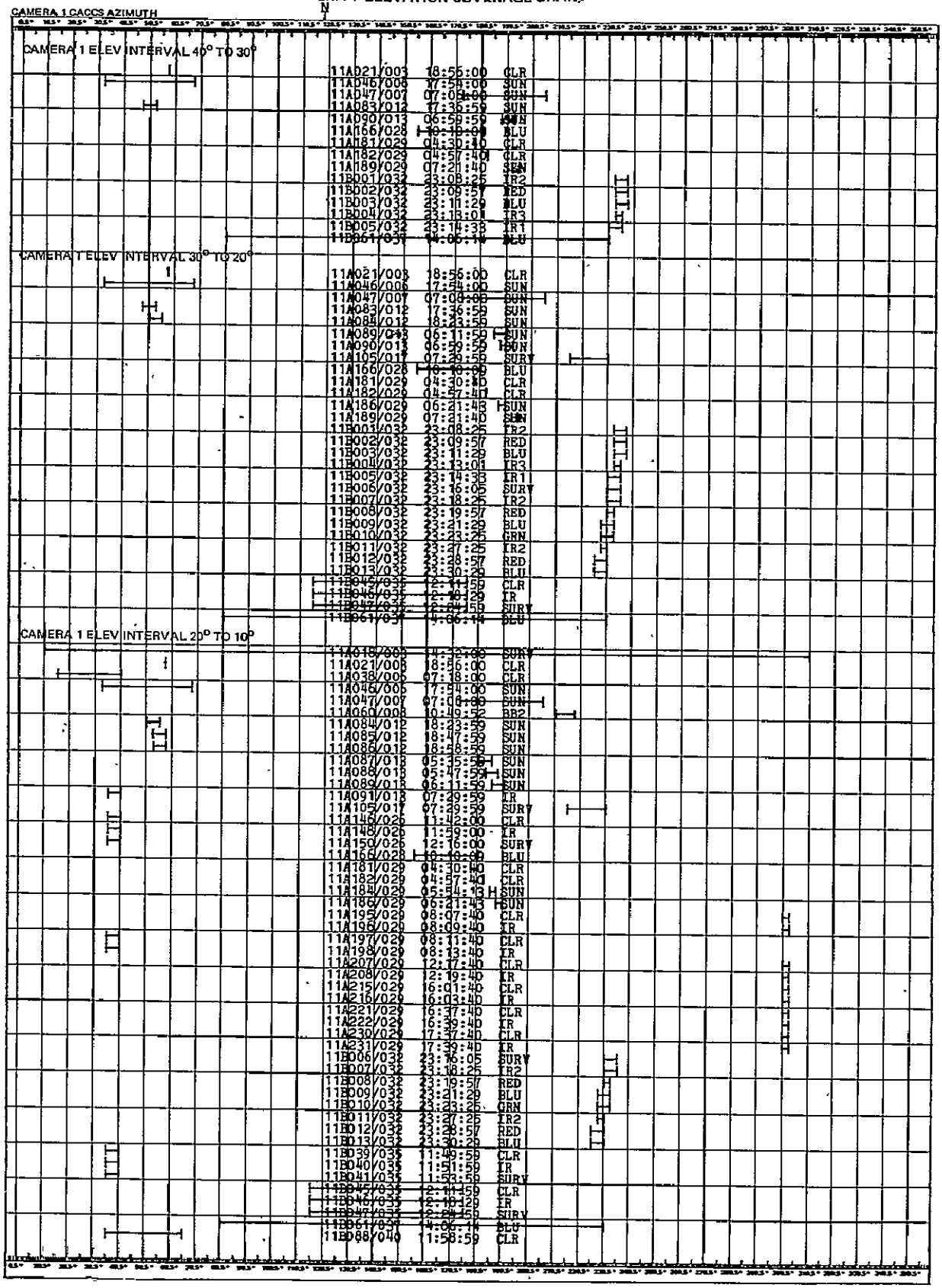
(EDR ORDER NUMBERS)

CELABEL	DIODE	IPL PIC ID
12B159/071	BB1	77/02/13/233730
12B160/071	BB1	77/02/14/052341
12B161/071	CAL	77/02/14/052825
11B162/072	BB3	77/02/14/053303
12B163/073	BB2	77/02/14/053727
11B164/074	BB3	77/02/14/054205
11B165/075	BB2	77/02/14/054551
12B166/076	BLU	77/02/14/054944
	GRN	77/02/14/055401
	RED	77/02/14/055820
11B167/077	BB3	77/02/14/060239
11B168/078	BLU	77/02/14/061133
	GRN	77/02/14/061504
	RED	77/02/14/061840
11B169/079	BB2	77/02/14/062216
11B170/080	IR3	77/02/14/062544
	IR2	77/02/14/062913
	IR1	77/02/14/063232
12B171/081	SUN	77/02/13/221413
12B172/082	BLU	77/02/13/221727
	GRN	77/02/13/222057
	RED	77/02/13/222522
11B173/083	BB3	77/02/13/222857
11B174/085	BB3	77/02/13/223313
12B175/085	BLU	77/02/13/223717
	GRN	77/02/13/224126
	RED	77/02/13/224604
11B176/086	BB3	77/02/13/225015
12B177/087	IR3	77/02/13/225544
	IR2	77/02/13/225935
	IR1	77/02/13/230338
12B178/089	BB3	77/02/13/230722
11B179/090	BB3	77/02/13/231107
11B180/091	BB2	77/02/13/231453
11B181/091	BB1	77/02/13/231903
11B182/091	BB1	77/02/13/232314
11B183/091	CAL	77/02/13/232735
12B184/091	BB1	77/02/13/233146
12B185/091	BB1	77/02/13/233708
12B186/091	CAL	77/02/13/234129
11B187/092	BB3	77/02/13/234539
12B188/093	BB2	77/02/13/234925
11B189/094	BB3	77/02/13/235349
11B190/095	BB2	77/02/14/052343
12B191/096	BLU	77/02/14/052818
	GRN	77/02/14/053250
	RED	77/02/14/053806
11B192/097	BB3	77/02/14/054300
11B193/098	BLU	77/02/14/054716
11B193/098	GRN	77/02/14/055151
	RED	77/02/14/055641
11B194/100	BB3	77/02/14/060125
11B195/100	IR3	77/02/14/060753
	IR2	77/02/14/061427
	IR1	77/02/14/061758
12B196/101	SUN	77/02/14/062127
12B197/101	SUN	77/02/14/062458
12B198/102	BLU	77/02/14/062829
	GRN	77/02/14/063153
	RED	77/02/14/063438

VL-1 ELEVATION COVERAGE CHARTS

VL-1 Elevation Coverage Charts

VI-1
CAMERA 1 ELEVATION COVERAGE CHART



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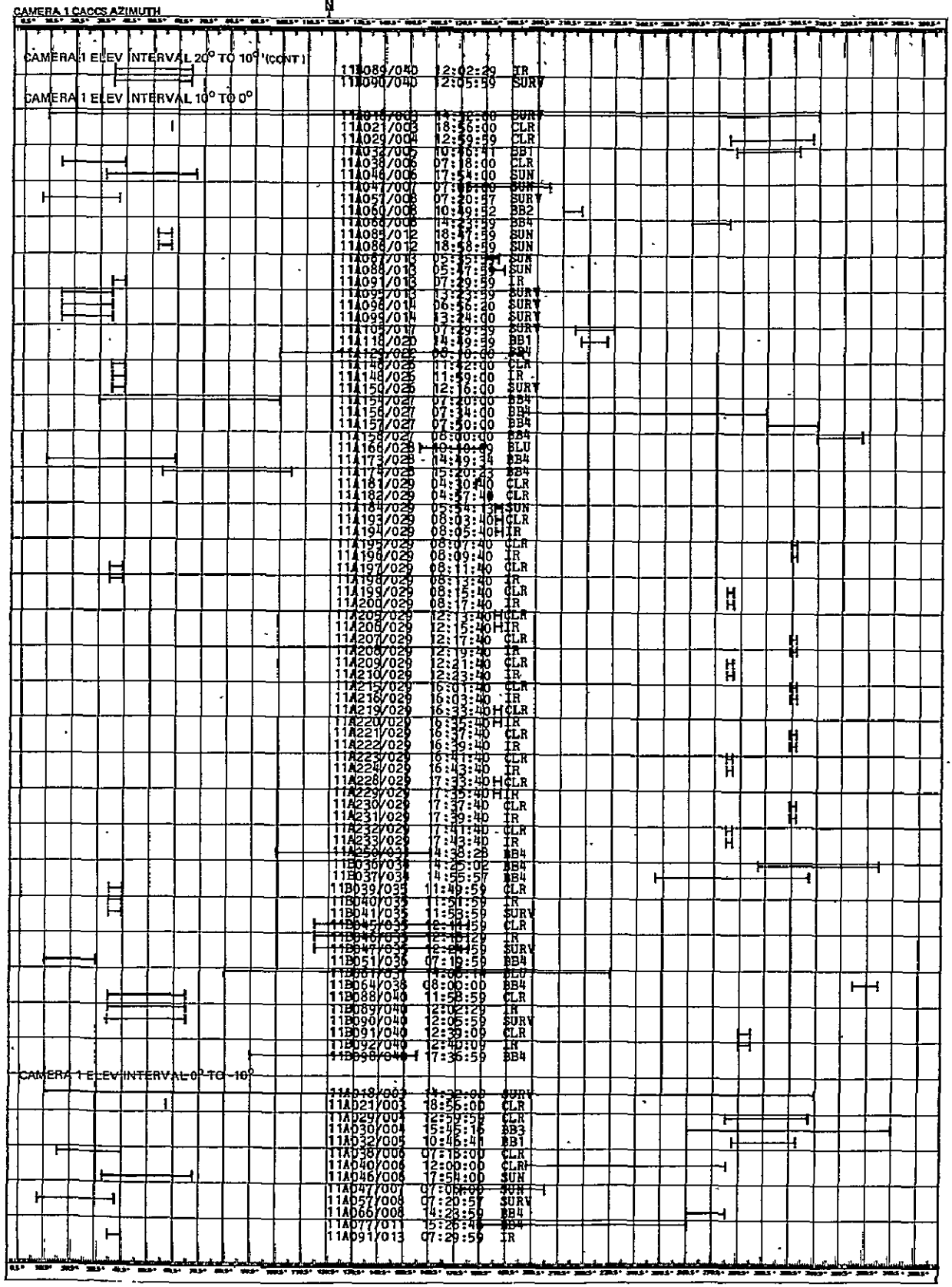
CAMERA 1 ELEVATION COVERAGE CHART



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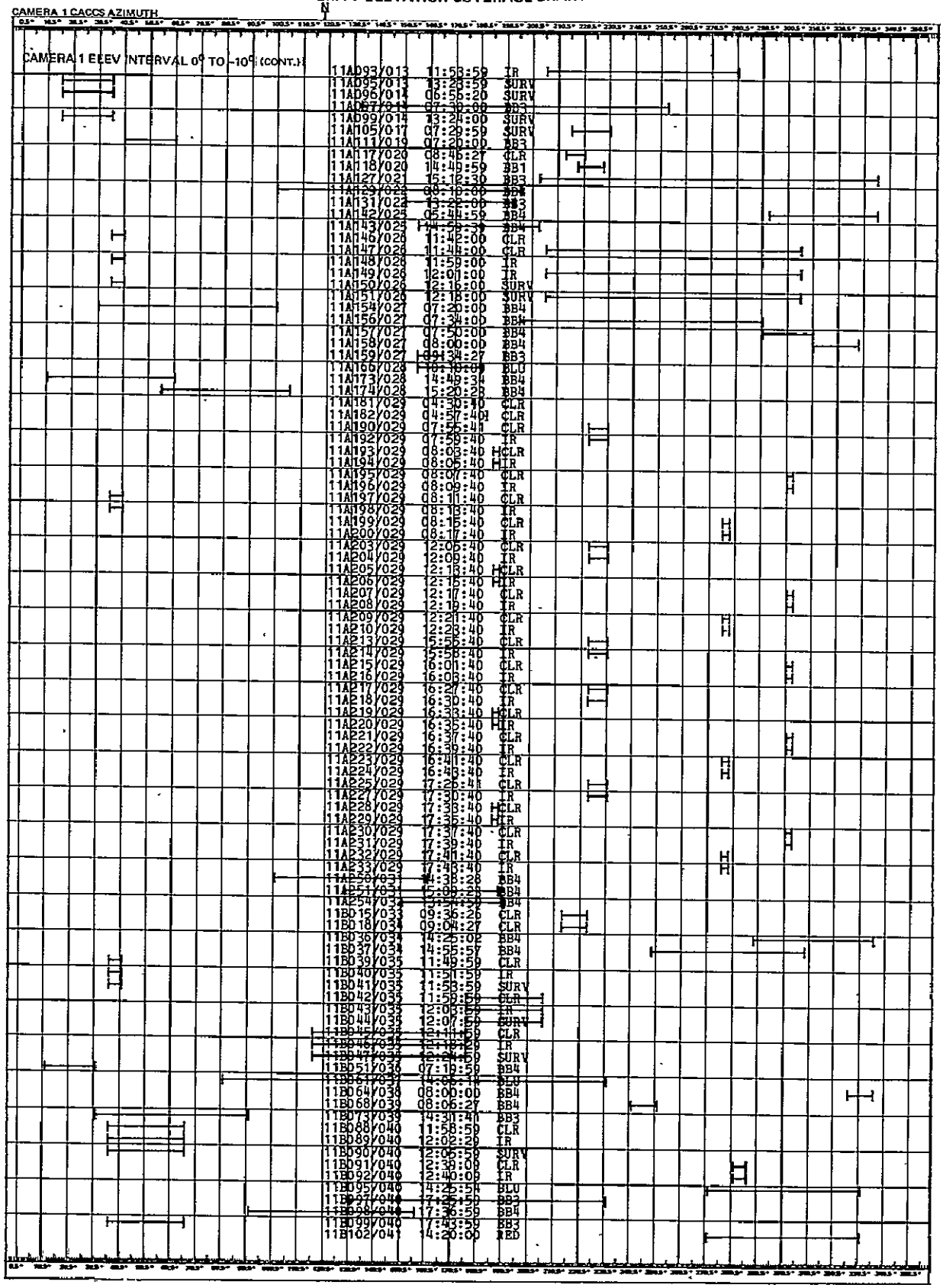
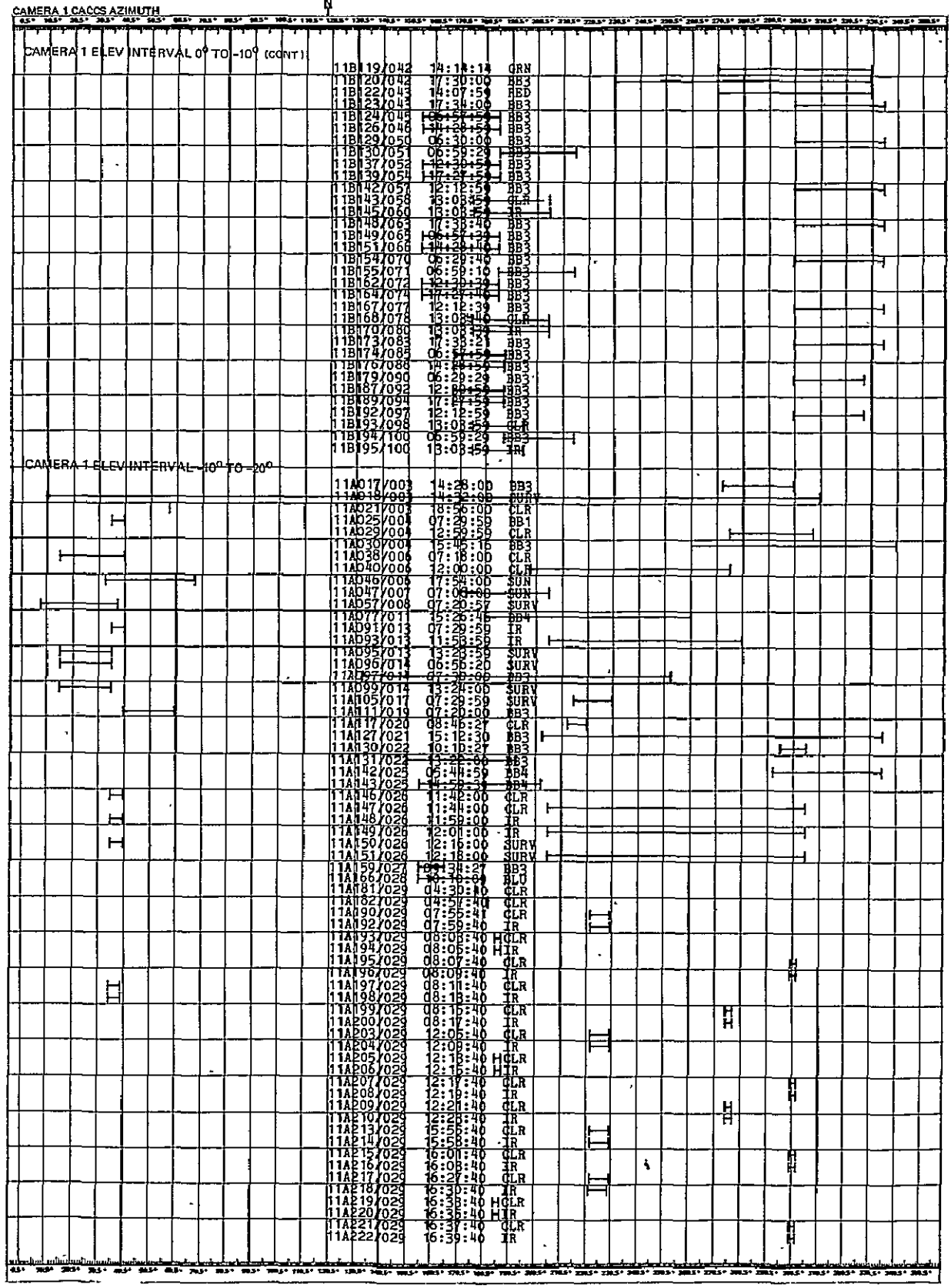
CAMERA 1 ELEVATION COVERAGE CHART

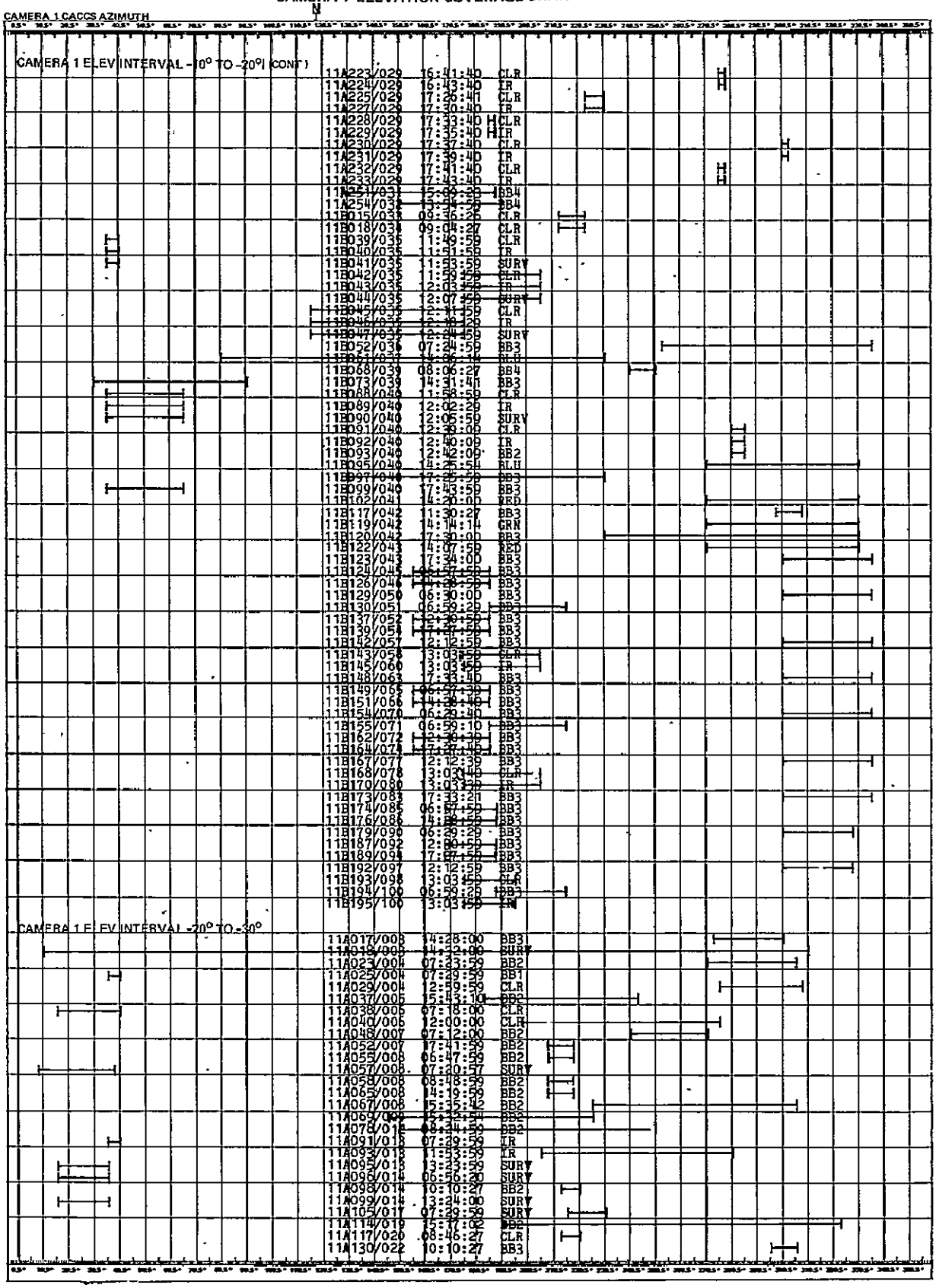


VL-1
CAMERA 1 ELEVATION COVERAGE CHART



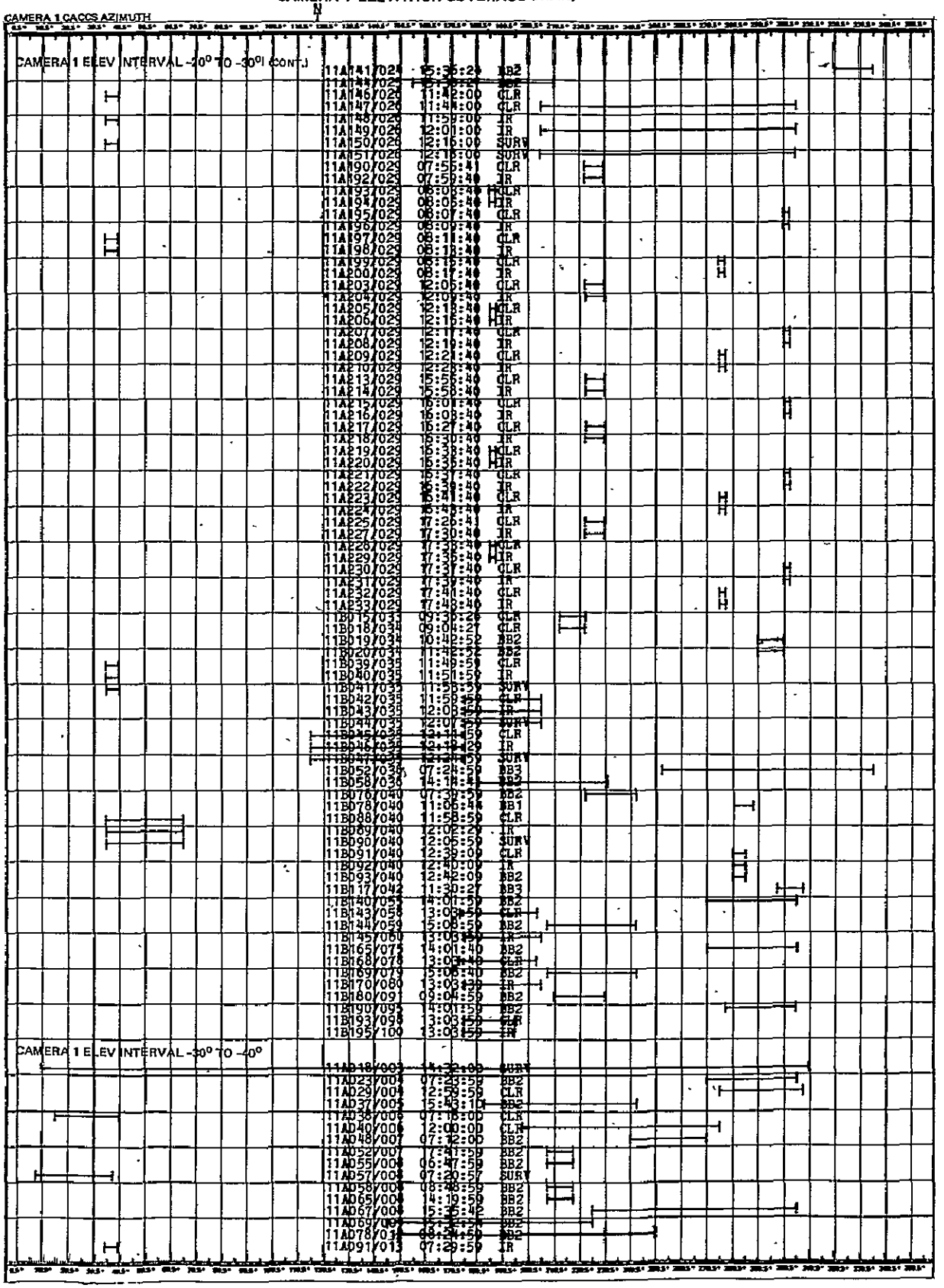
VL-1

CAMERA 1 ELEVATION COVERAGE CHART



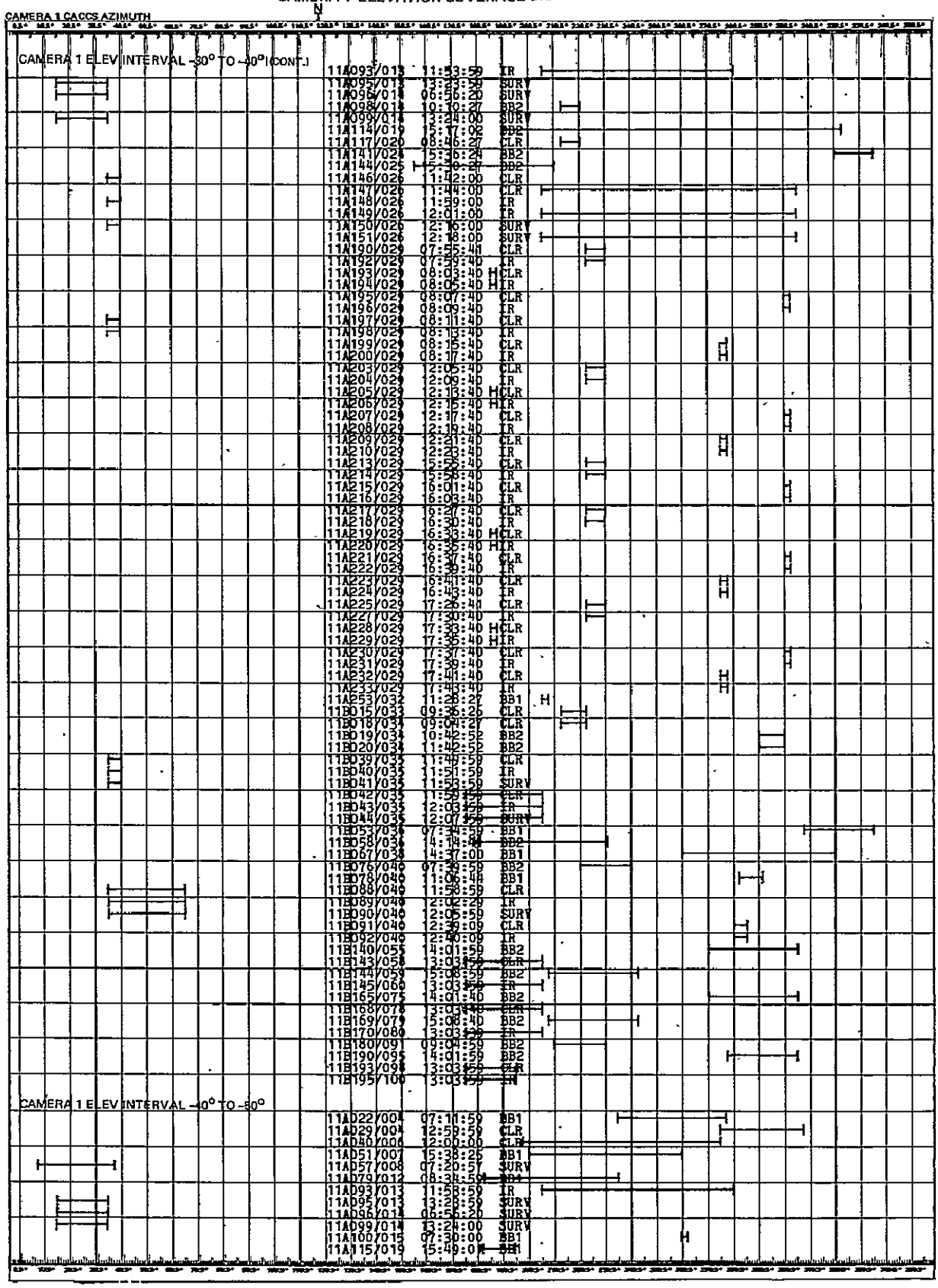
VL-1

CAMERA 1 ELEVATION COVERAGE CHART



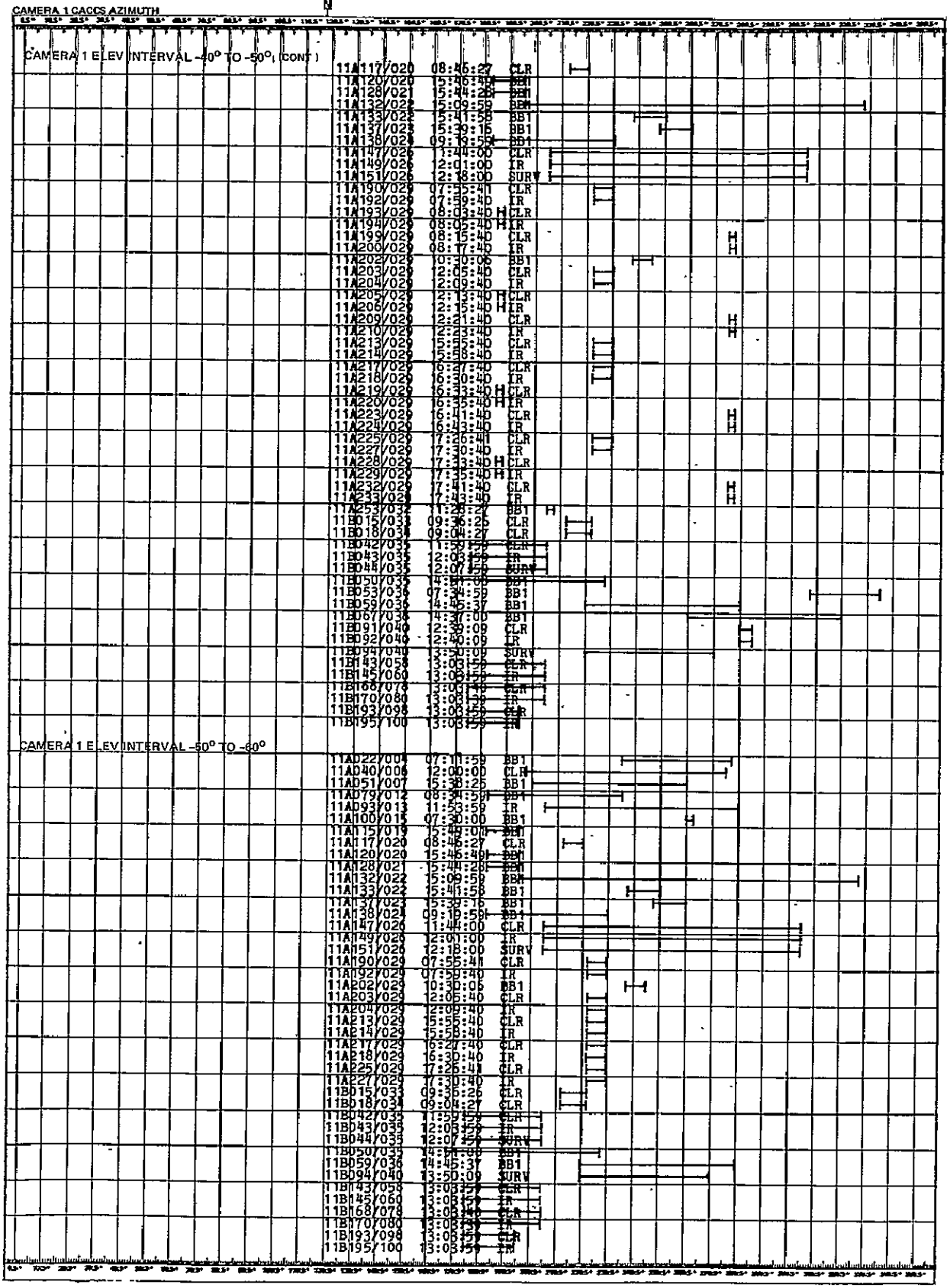
VL-1

CAMERA 1 ELEVATION COVERAGE CHART

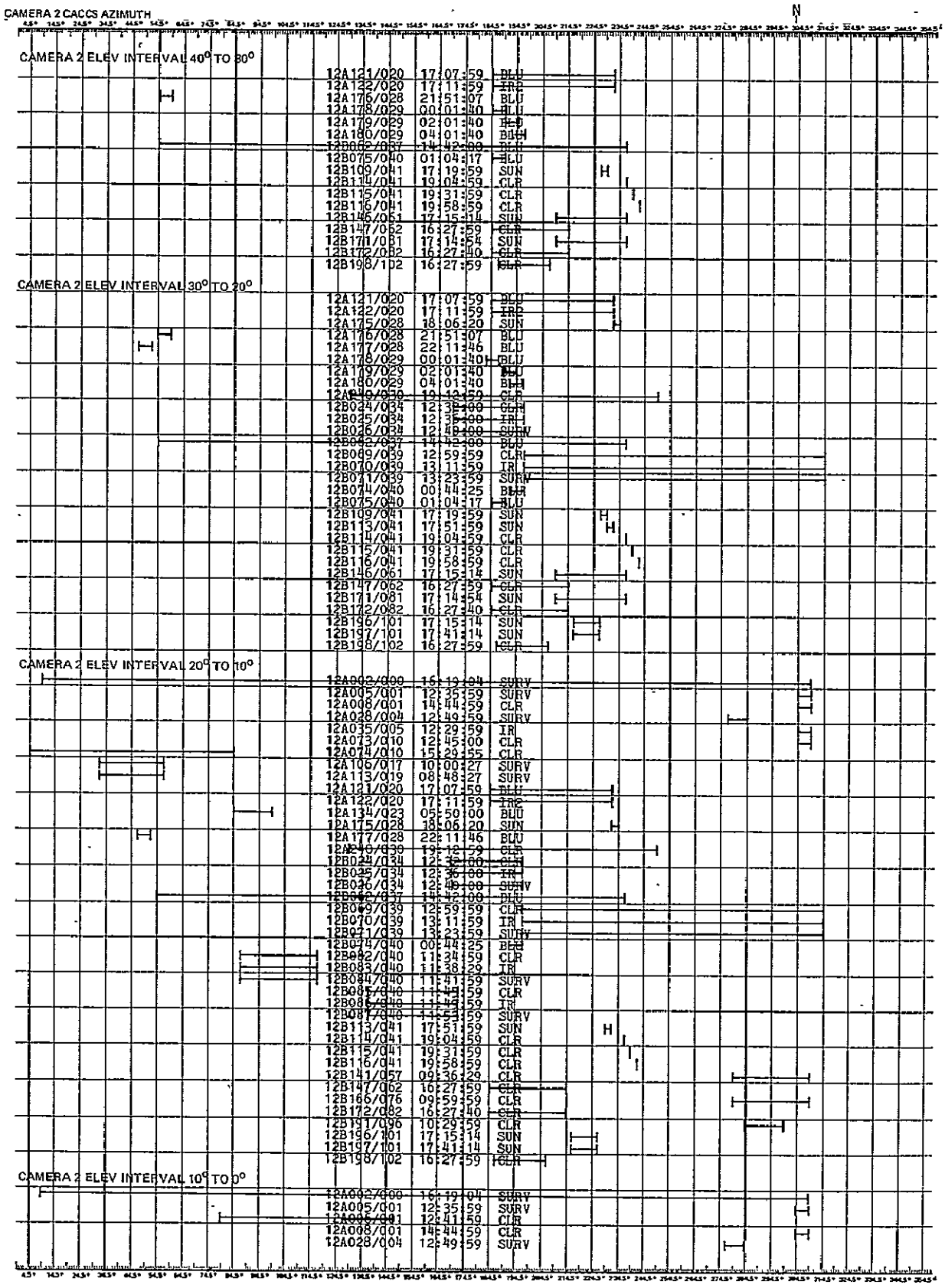


VL-1

CAMERA 1 ELEVATION COVERAGE CHART

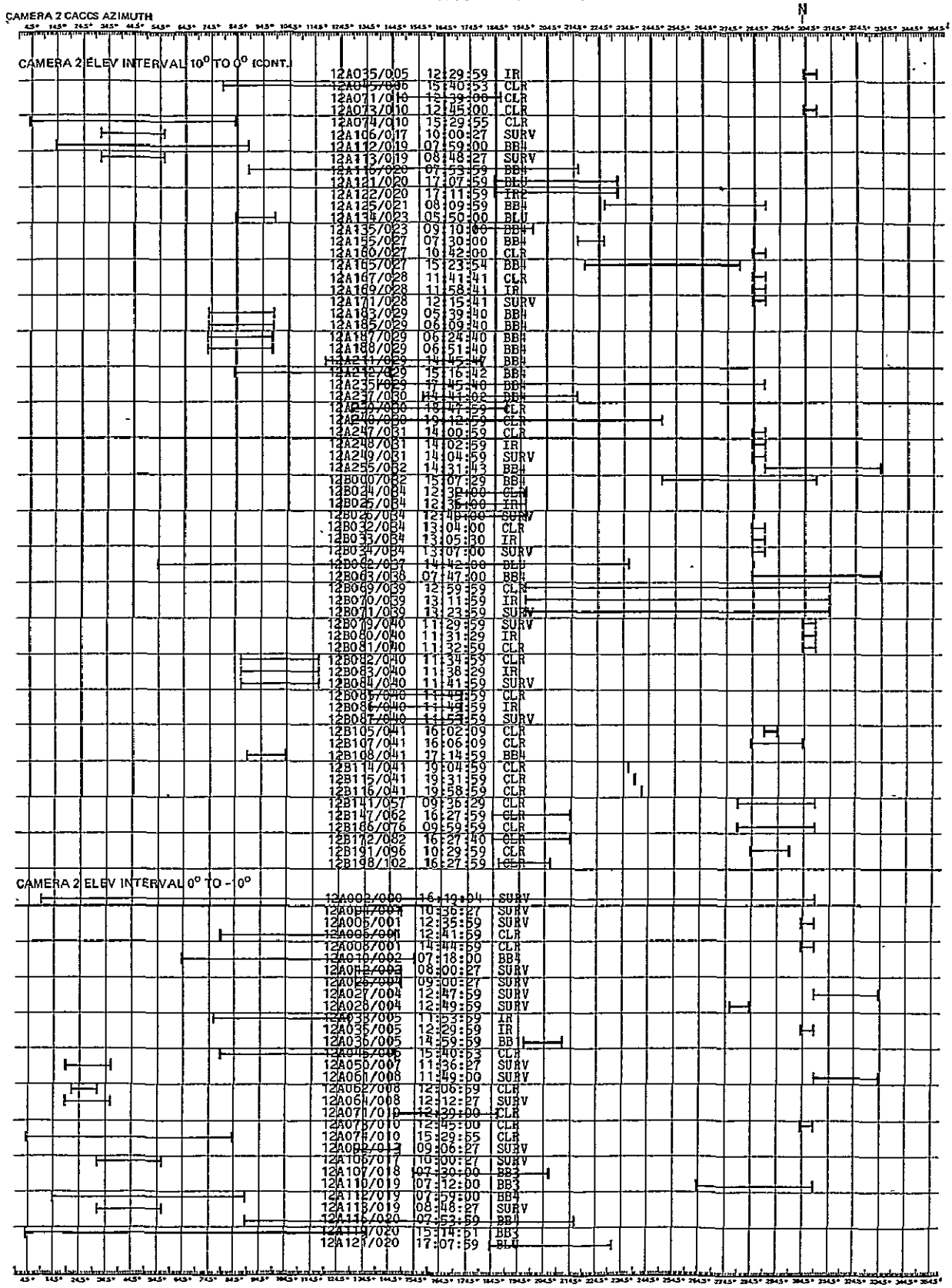


VL-1
CAMERA 2 ELEVATION COVERAGE CHART



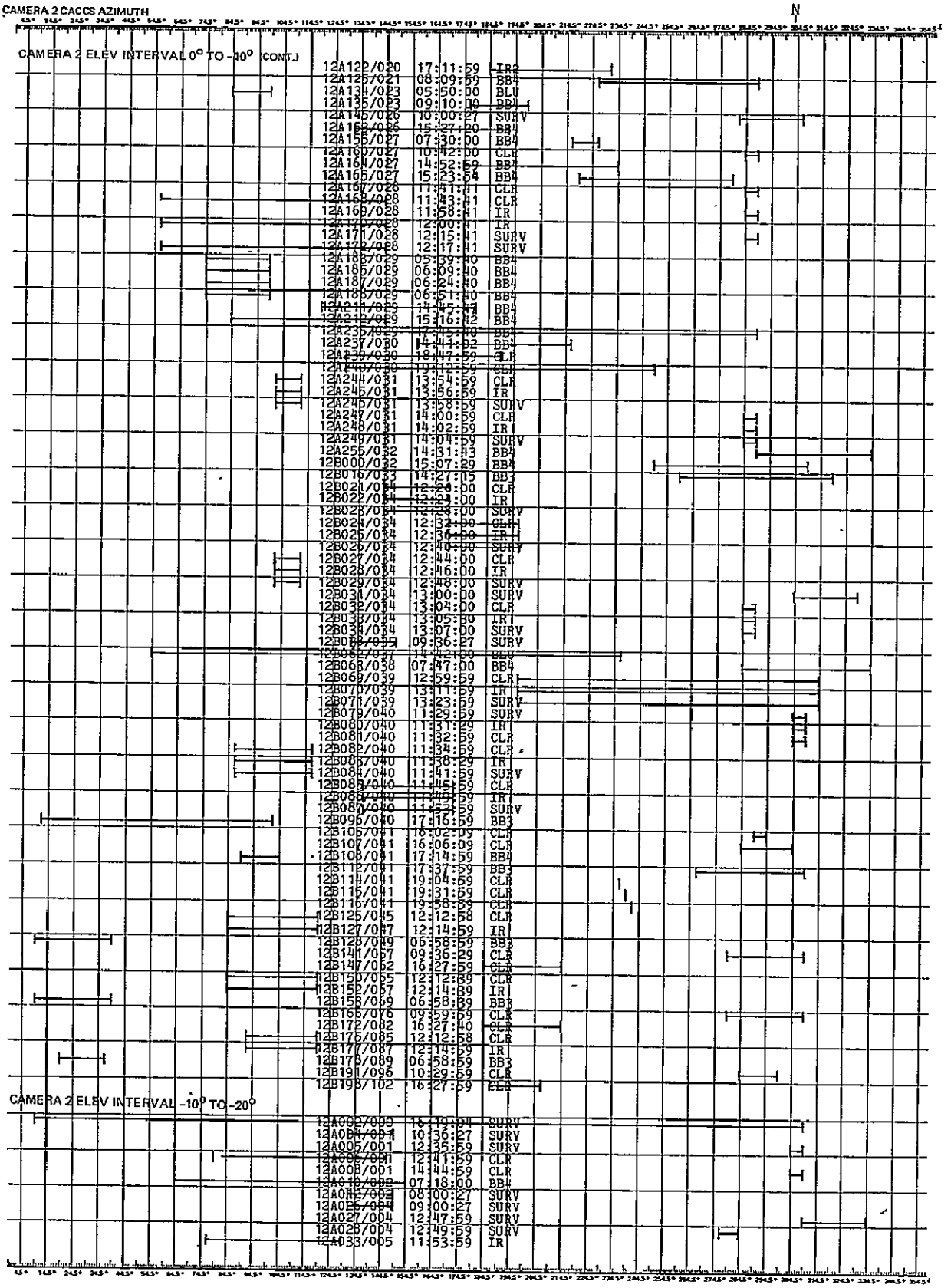
VL-1

CAMERA 2 ELEVATION COVERAGE CHART



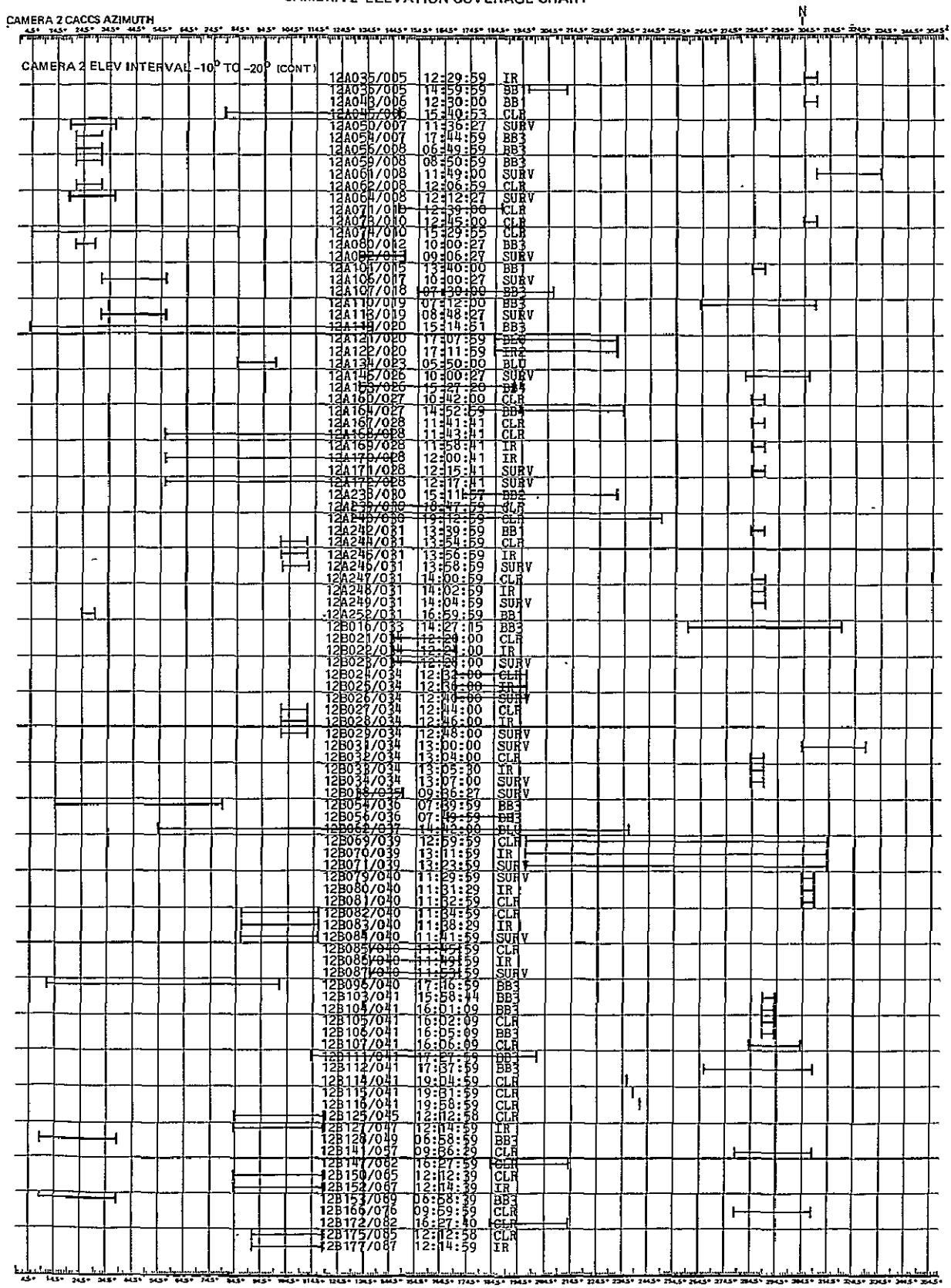
VI-1

CAMERA 2 ELEVATION COVERAGE CHART



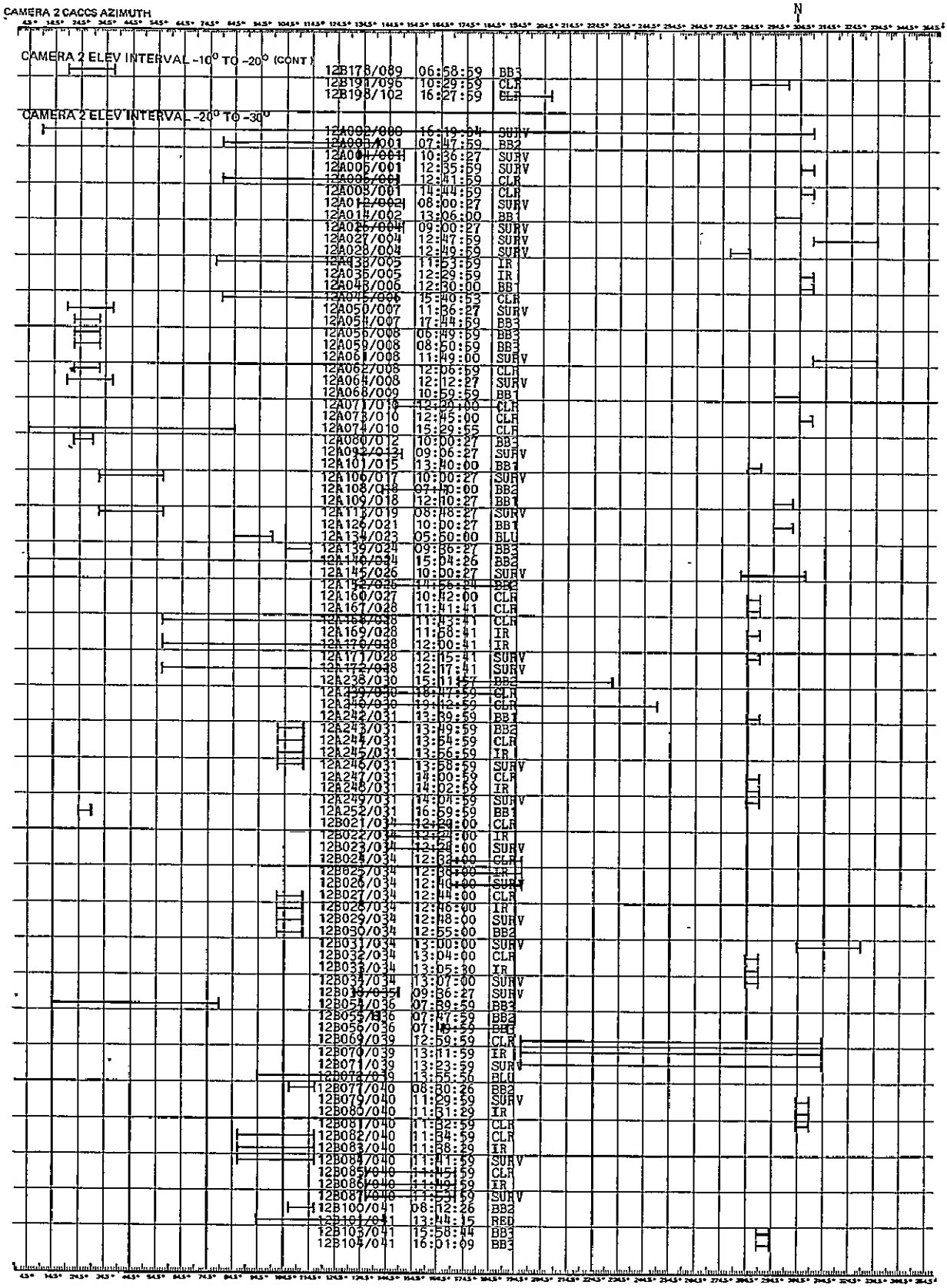
VI-1

CAMERA 2 ELEVATION COVERAGE CHART

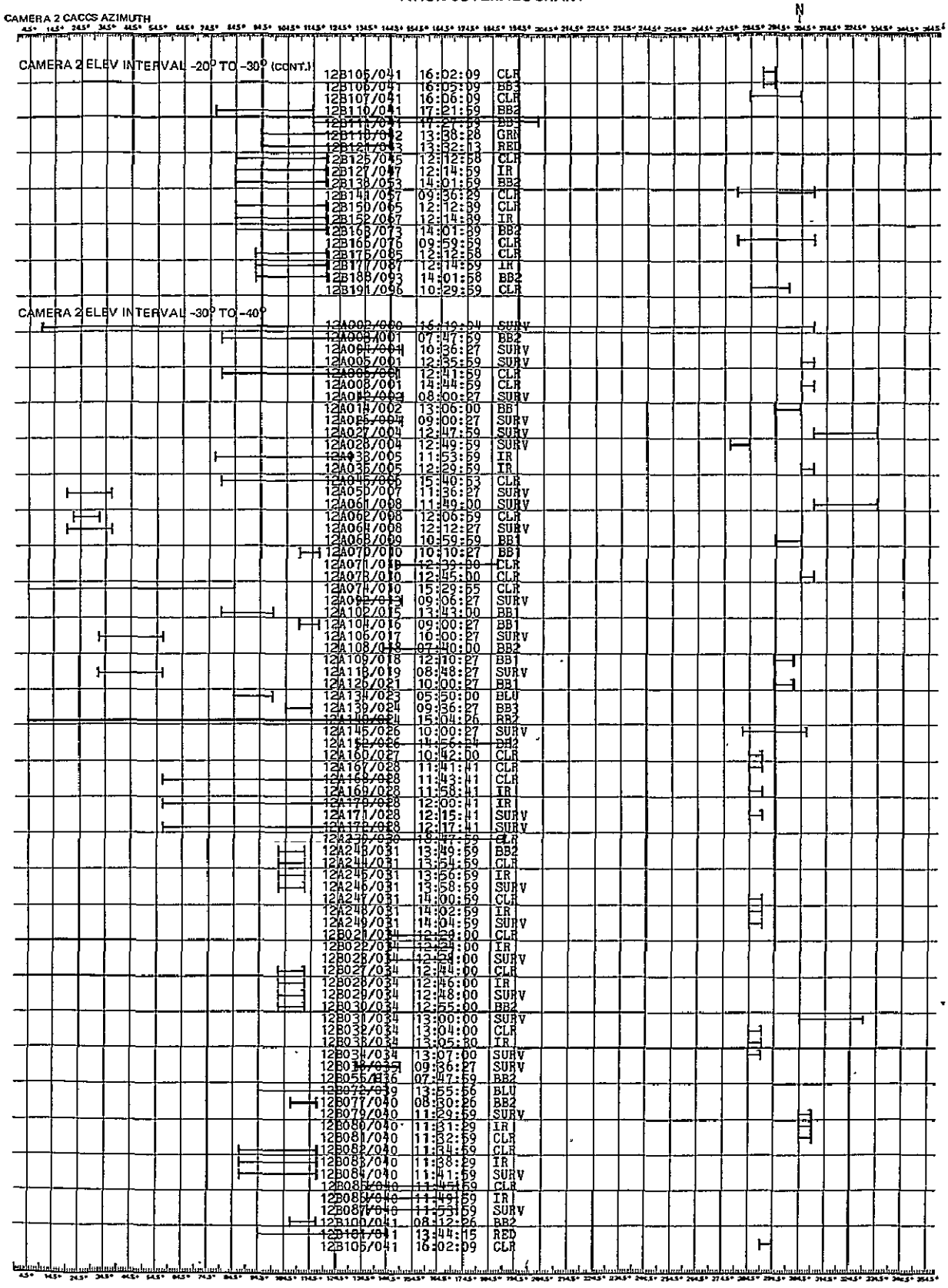


VI-1

CAMERA 2 ELEVATION COVERAGE CHART

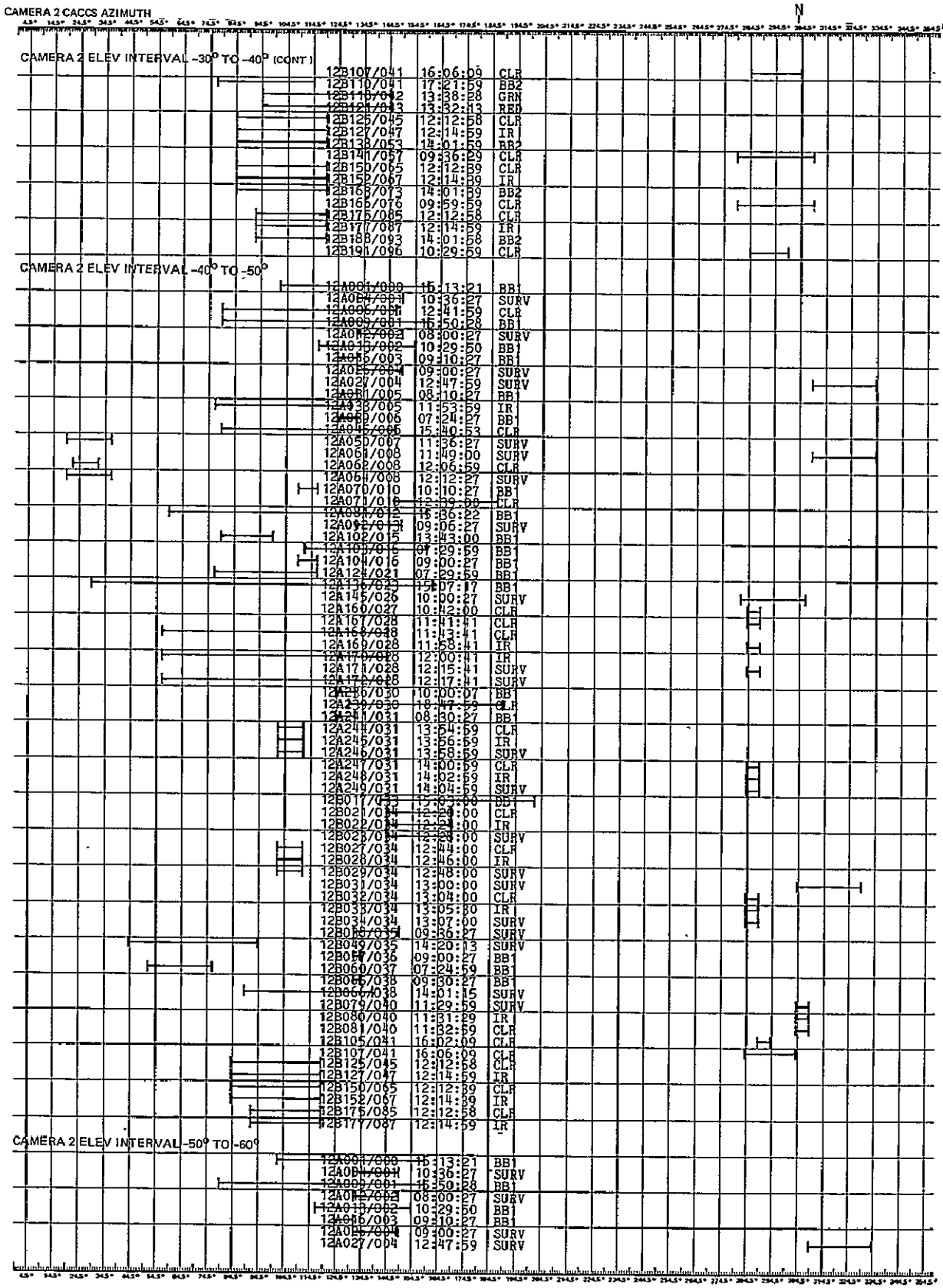


VL-1
CAMERA 2 ELEVATION COVERAGE CHART



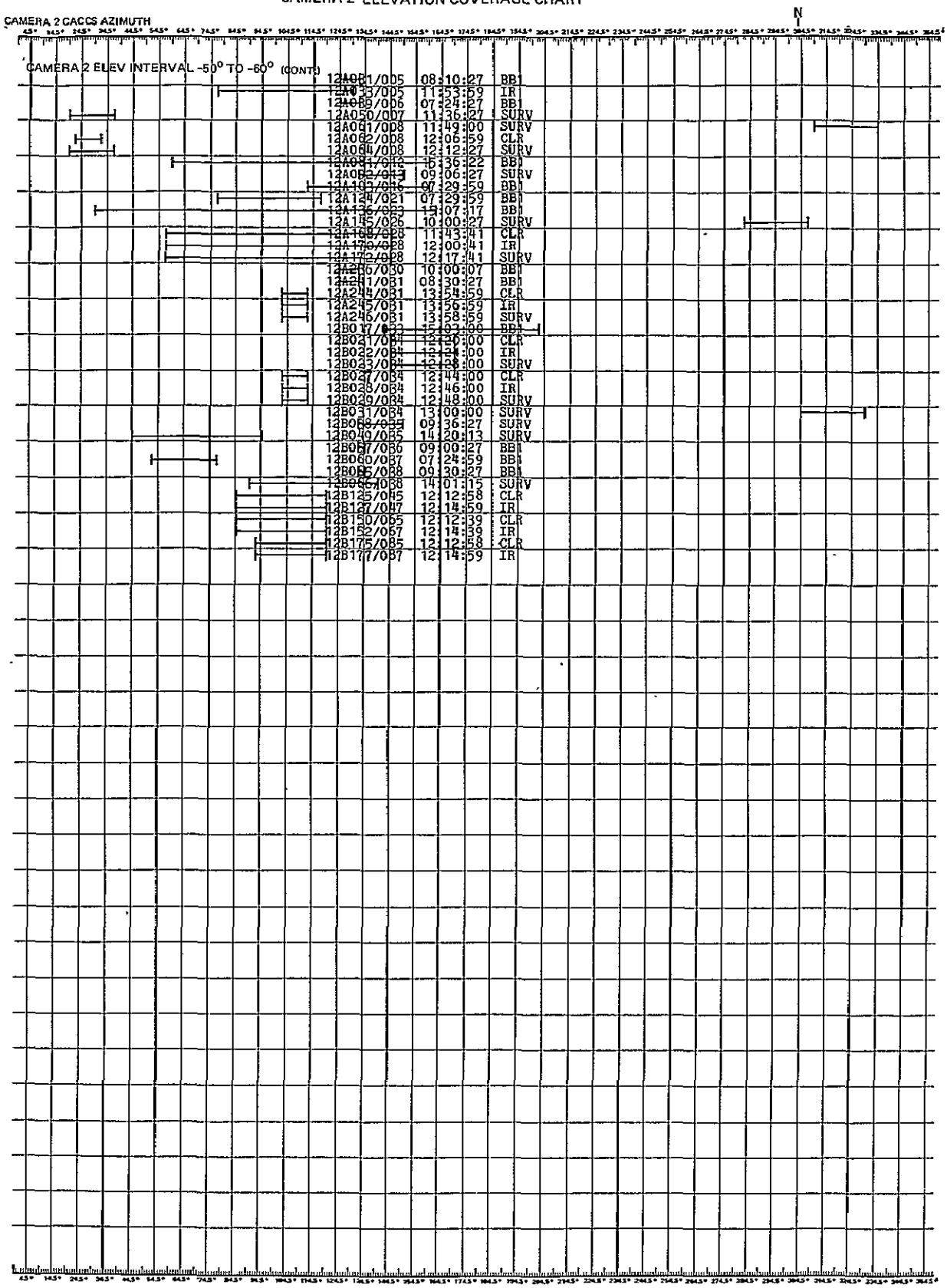
VL-1

CAMERA 2 ELEVATION COVERAGE CHART



VI-1

CAMERA 2 ELEVATION COVERAGE CHART



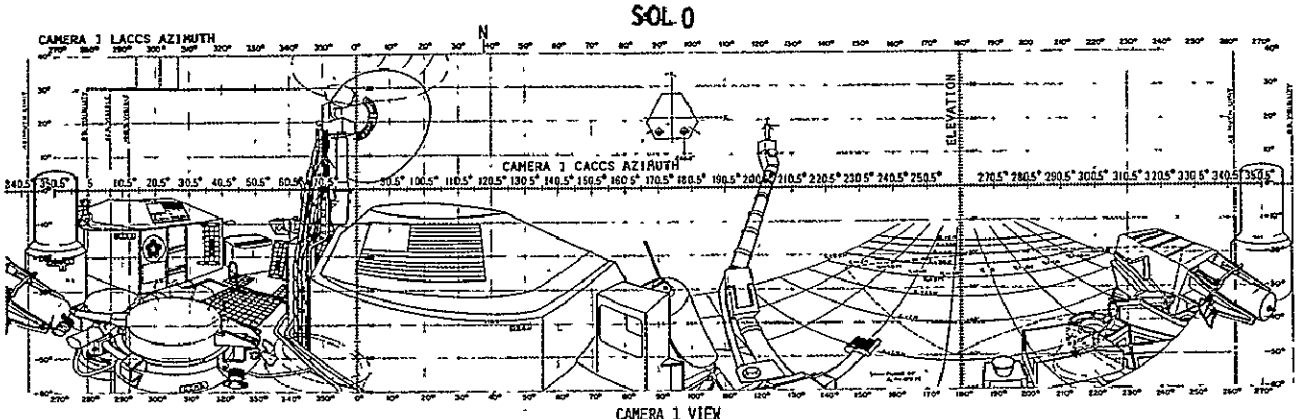
VL-1 SKYLINE DRAWINGS

VL-1 SKYLINE DRAWINGS

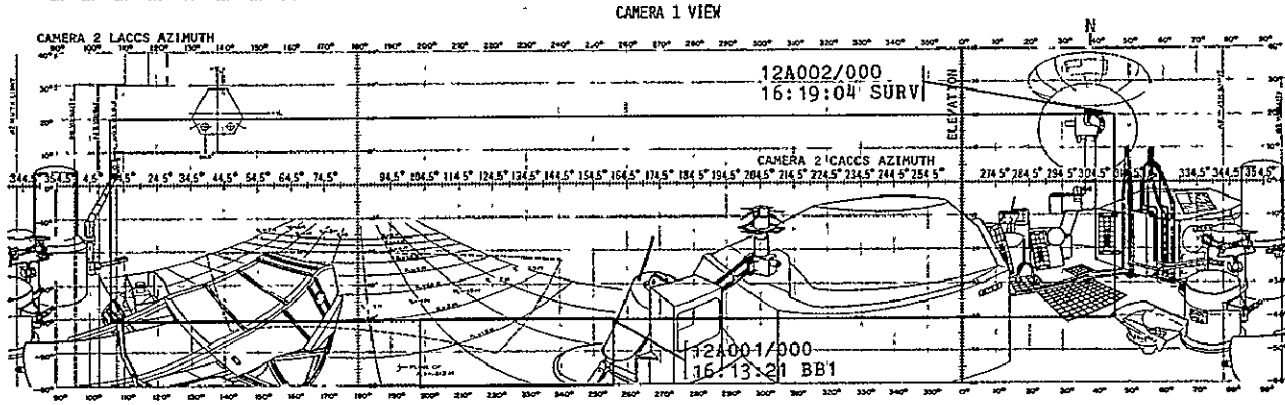
This section contains the skyline drawings for VL-1. The format for these drawings has been described in the section "Skyline Drawings."

VL-1

SOL 0

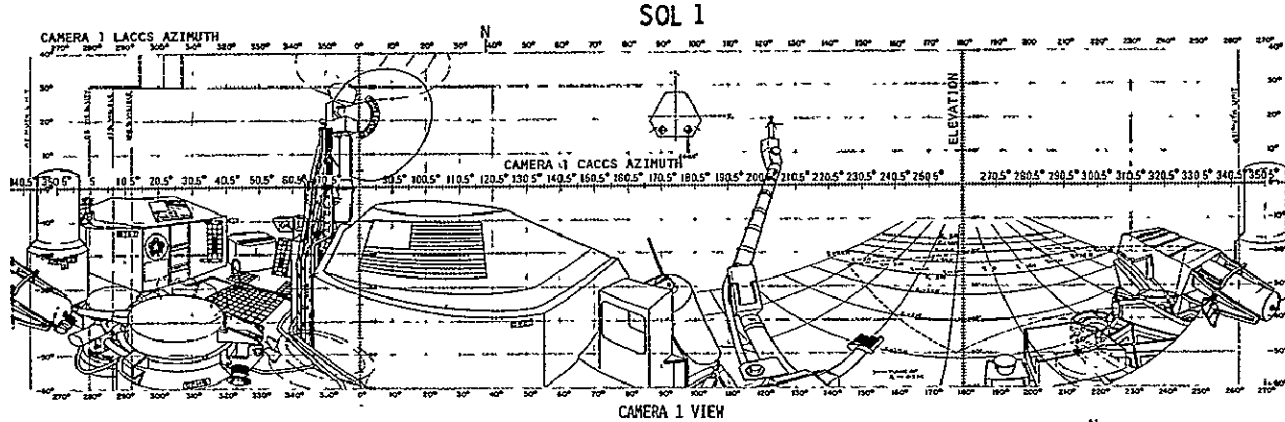


CAMERA 1 VIEW

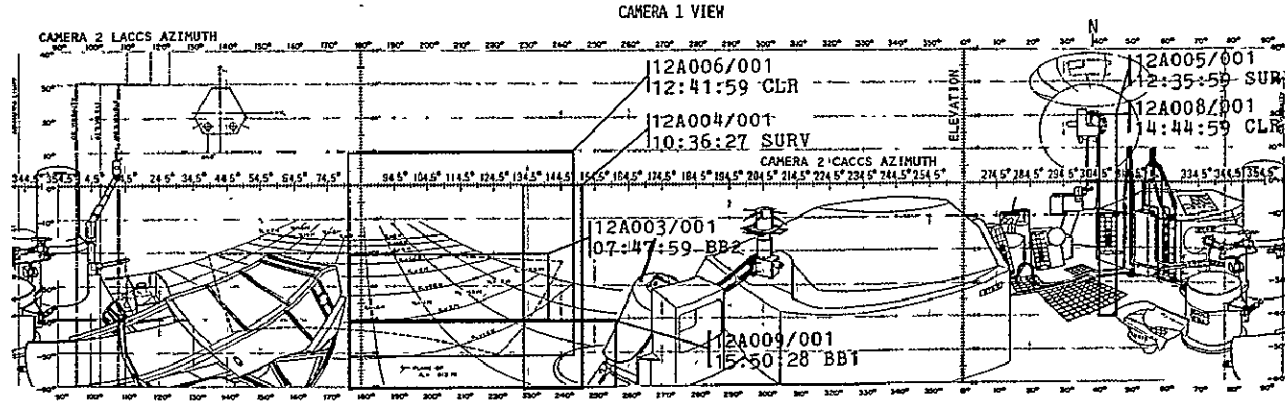


CAMERA 2 VIEW

SOL 1



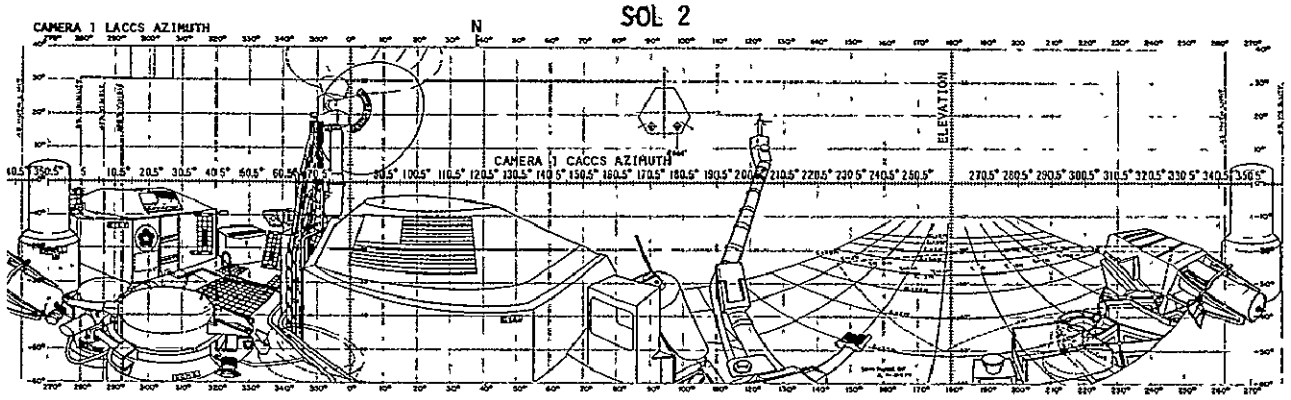
CAMERA 1 VIEW



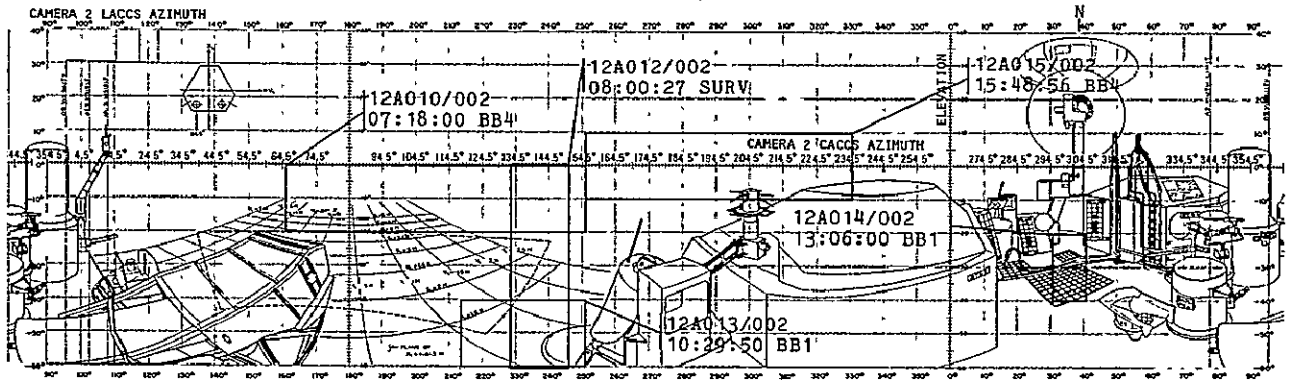
CAMERA 2 VIEW

VL-1

SOL 2

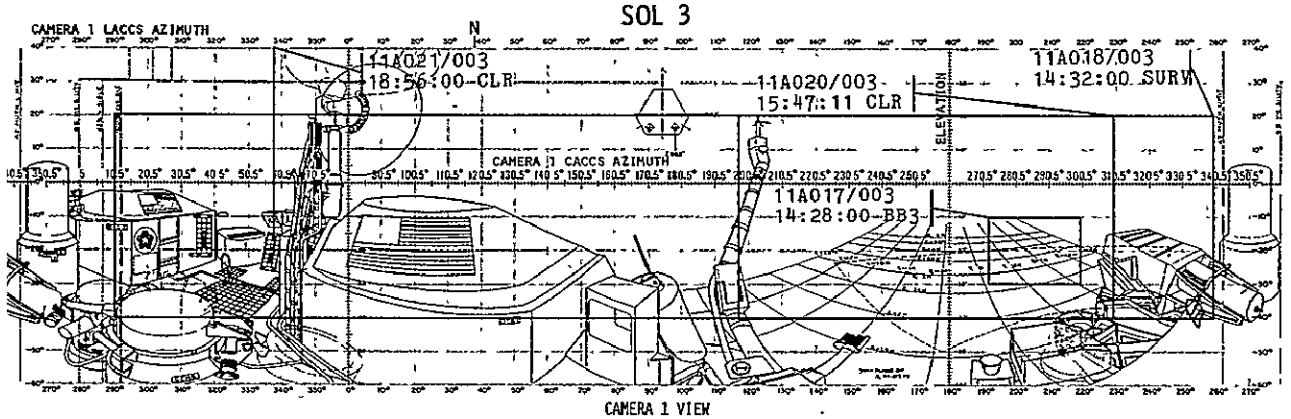


CAMERA 1 VIEW

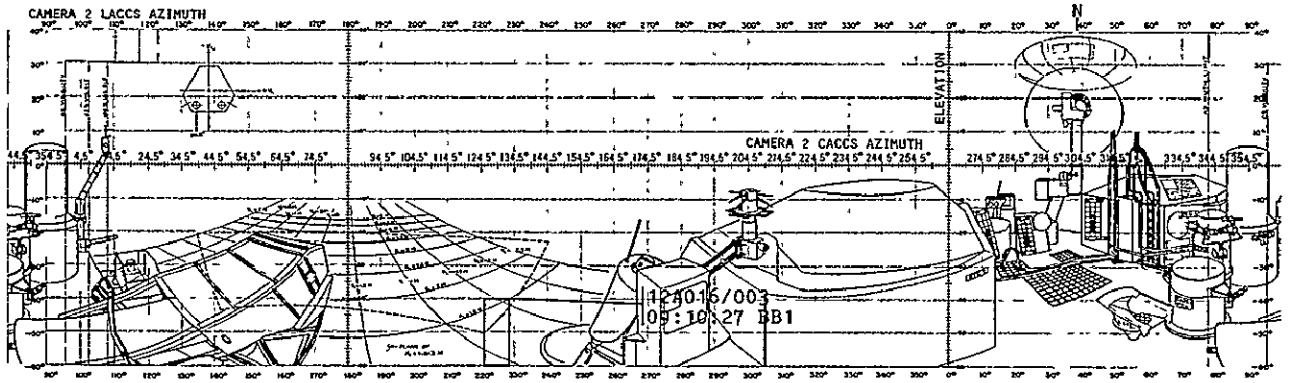


CAMERA 2 VIEW

SOL 3



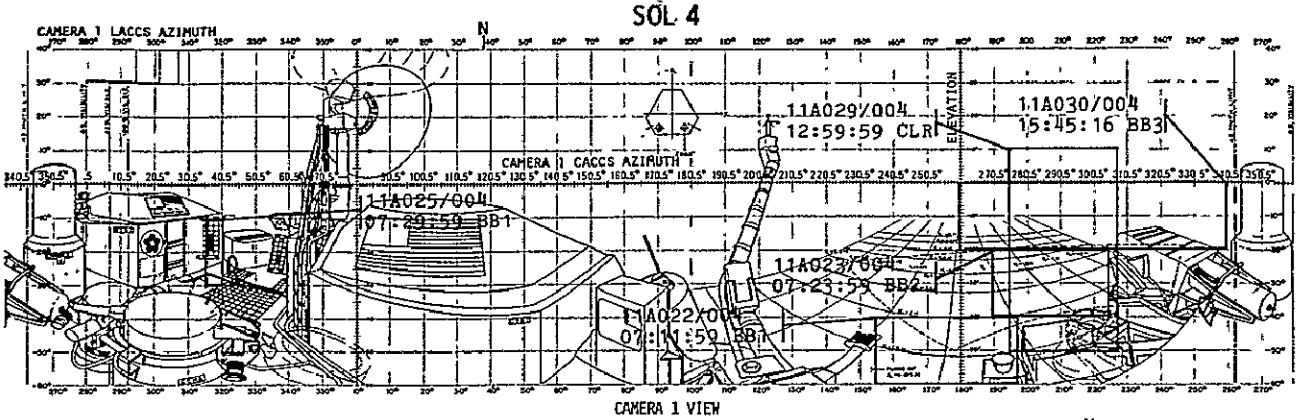
CAMERA 1 VIEW



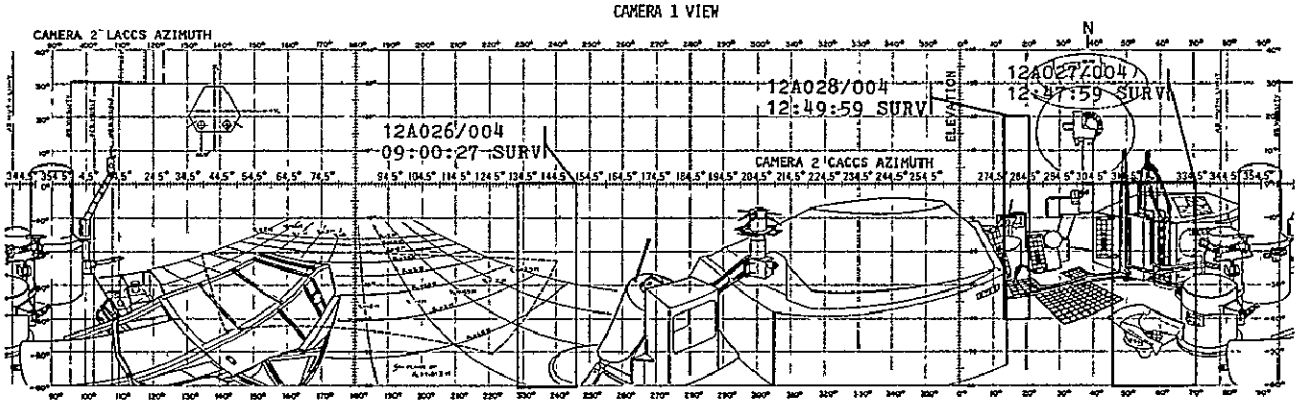
CAMERA 2 VIEW

VL-1

SOL 4

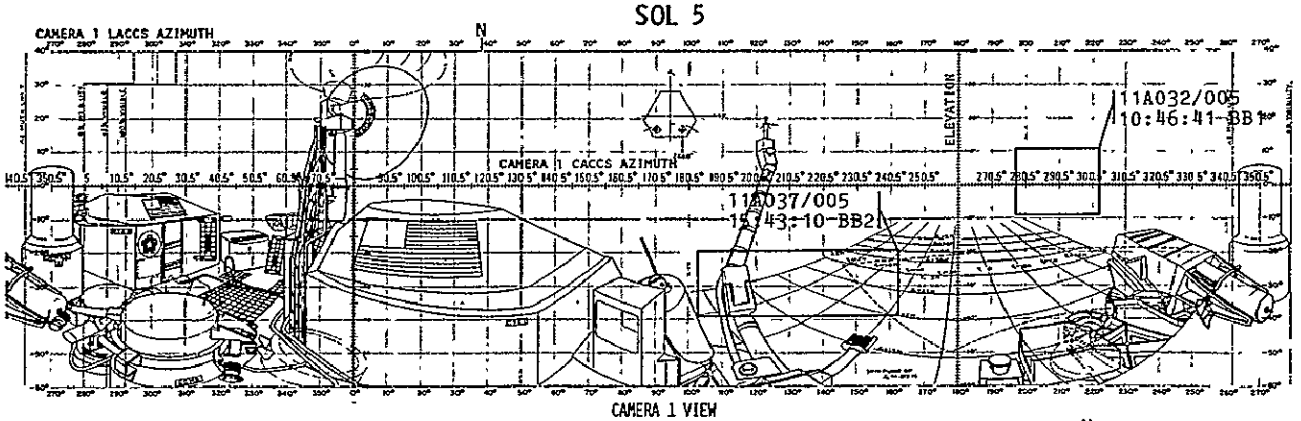


CAMERA 1 VIEW

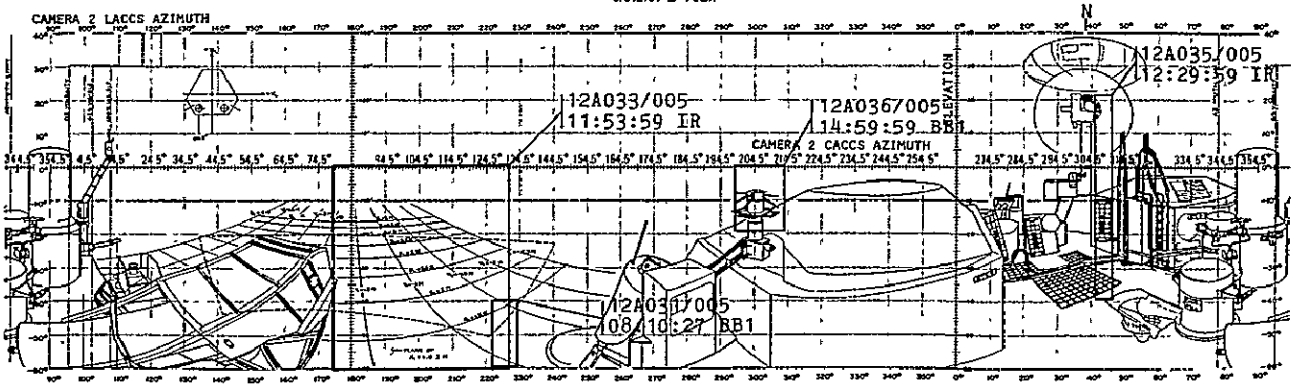


CAMERA 2 VIEW

SOL 5



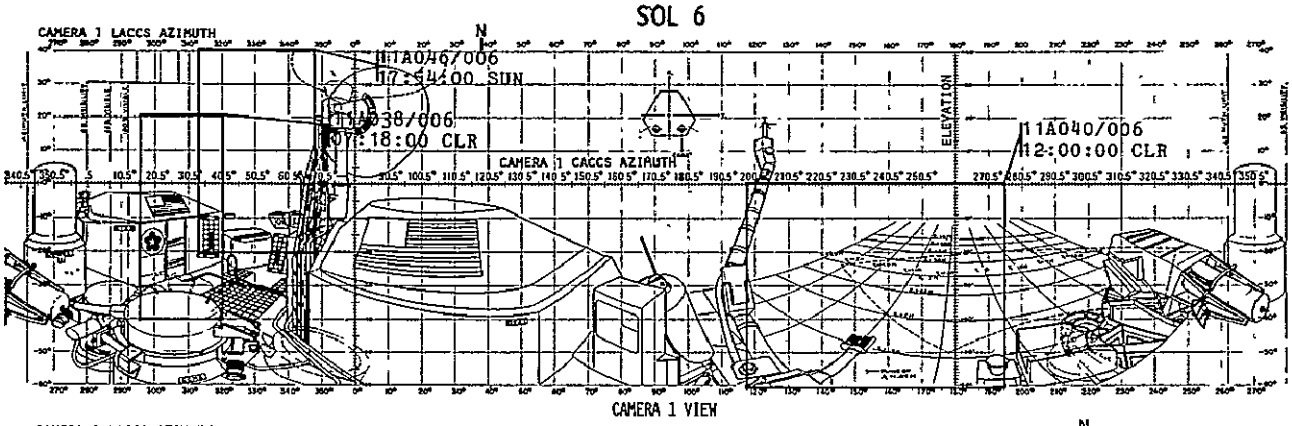
CAMERA 1 VIEW



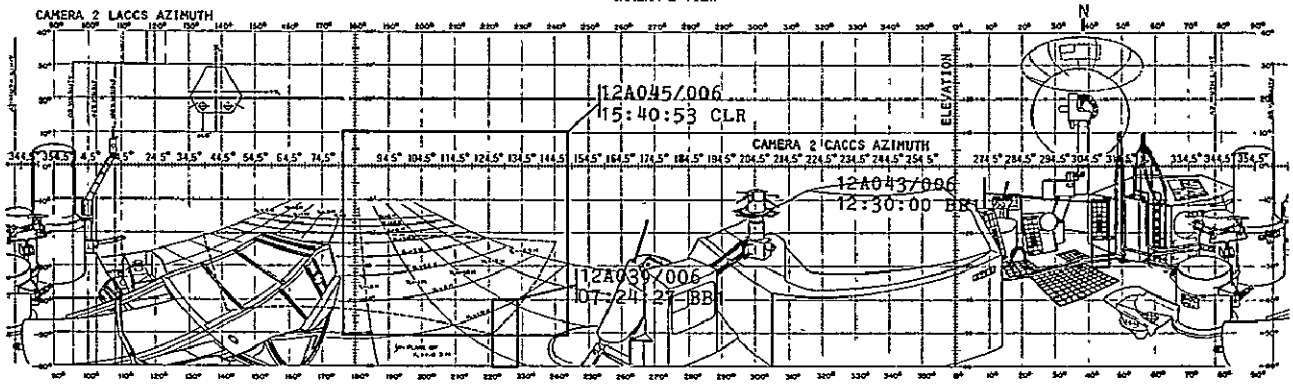
CAMERA 2 VIEW

VL-1

SOL 6

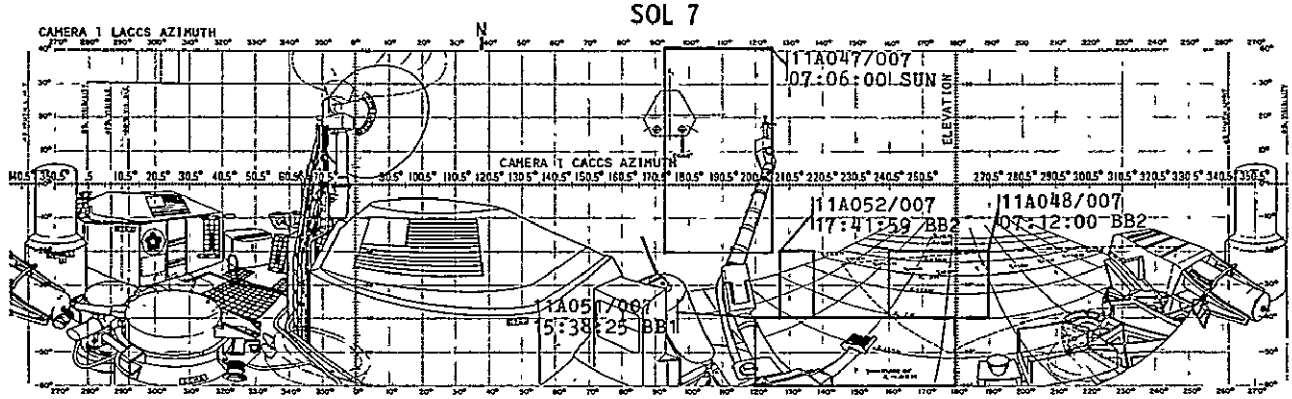


CAMERA 1 VIEW

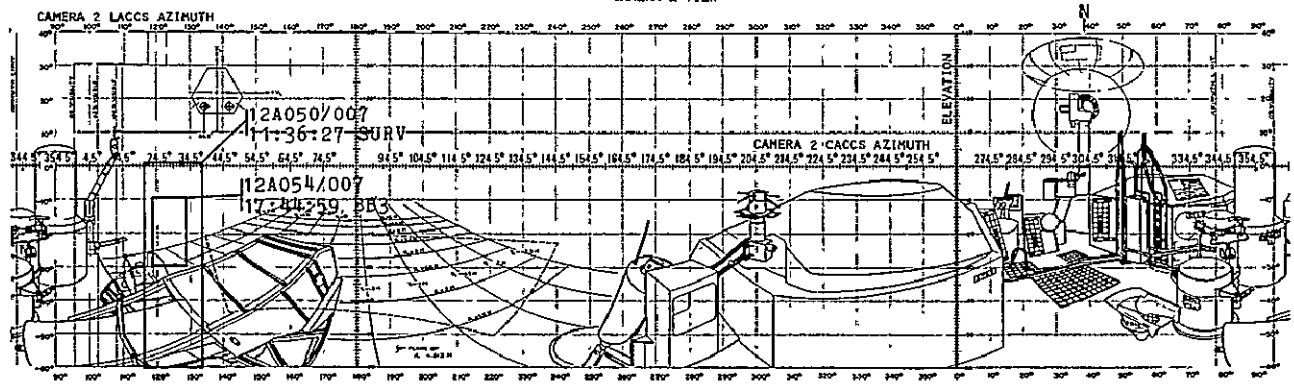


CAMERA 2 VIEW

SOL 7



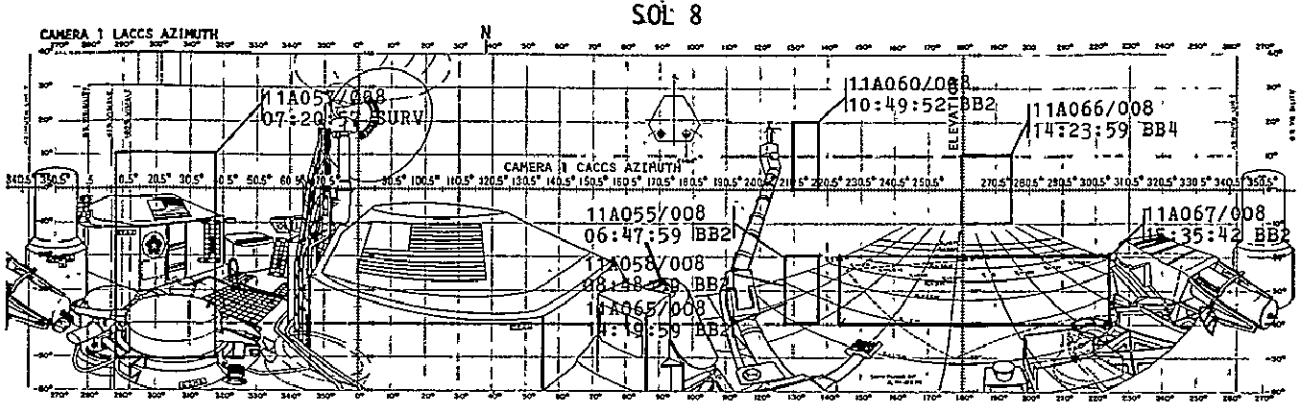
CAMERA 1 VIEW



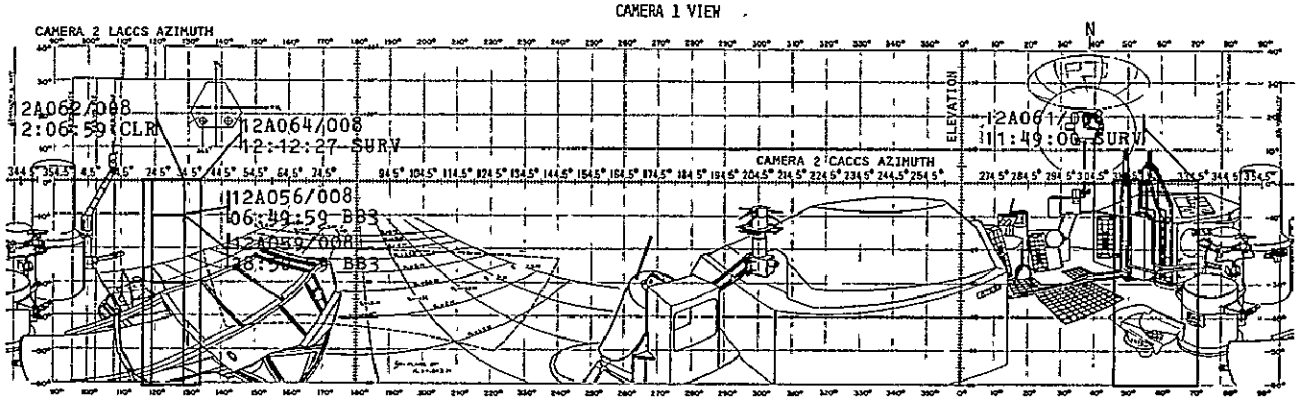
CAMERA 2 VIEW

VL-1

SOL 8

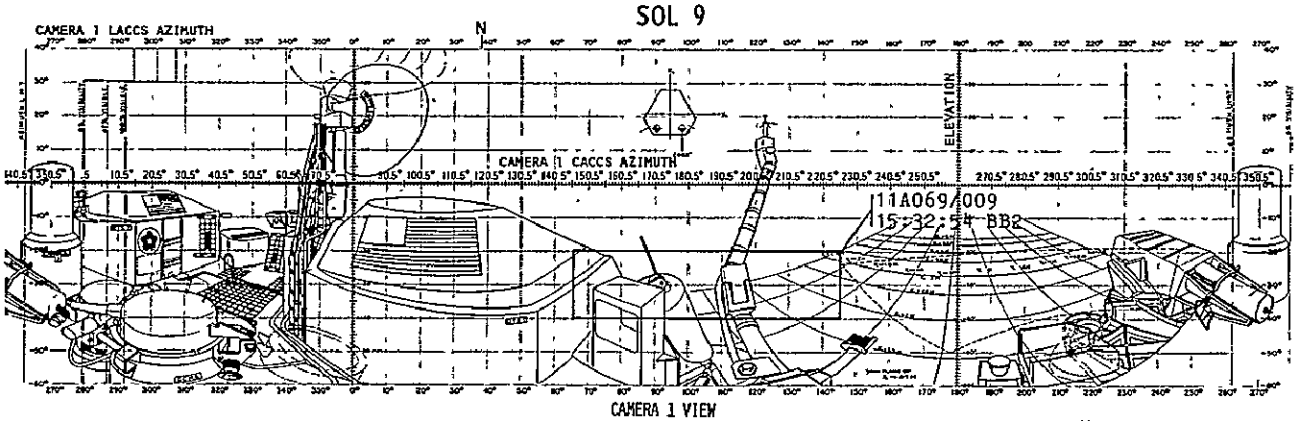


CAMERA 1 VIEW

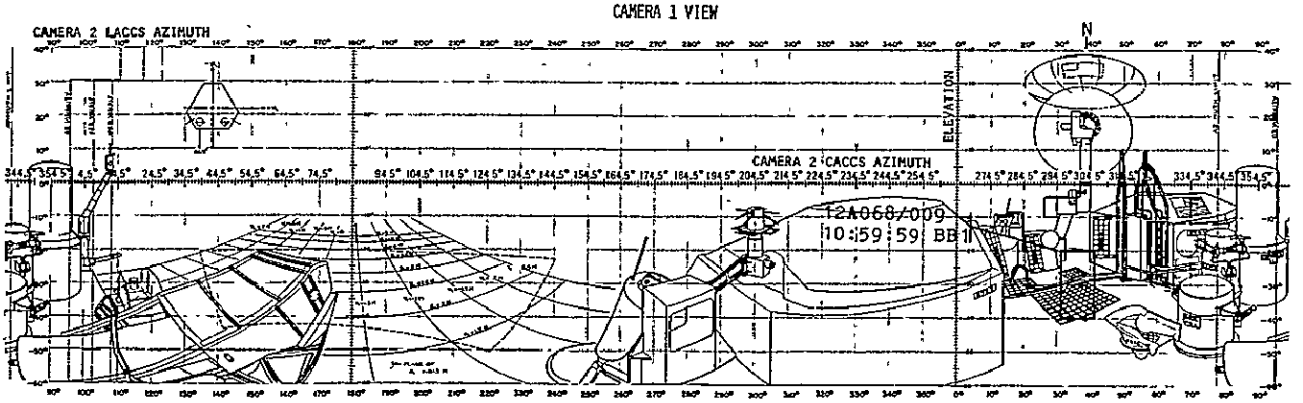


CAMERA 2 VIEW

SOL 9



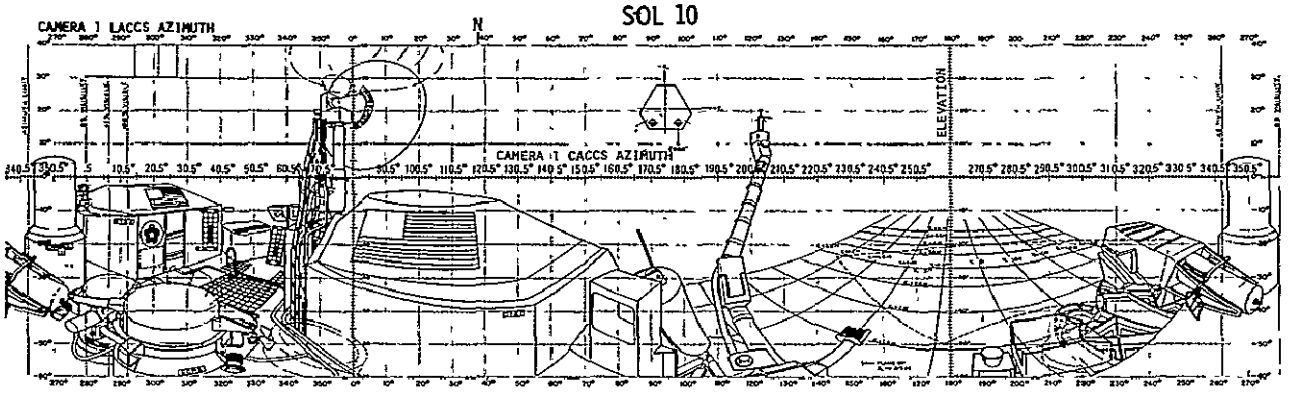
CAMERA 1 VIEW



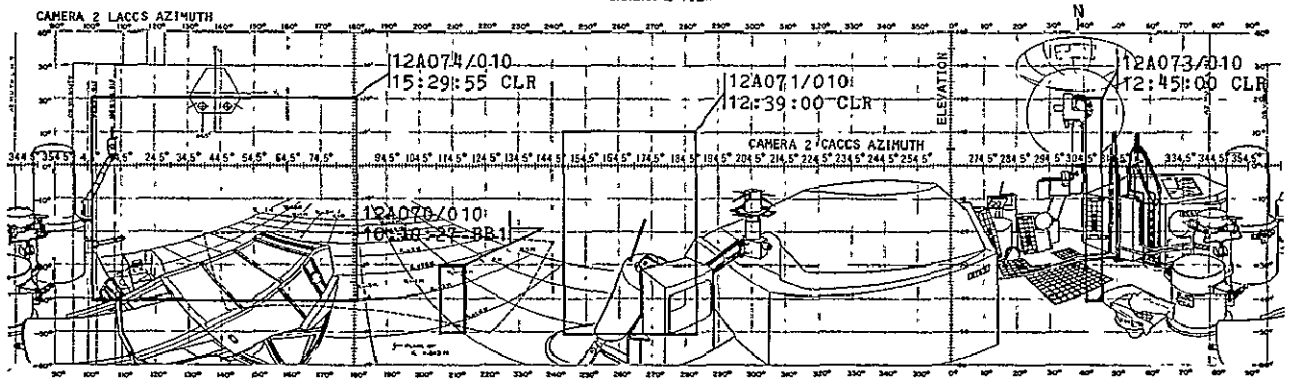
CAMERA 2 VIEW

VL-1

SOL 10

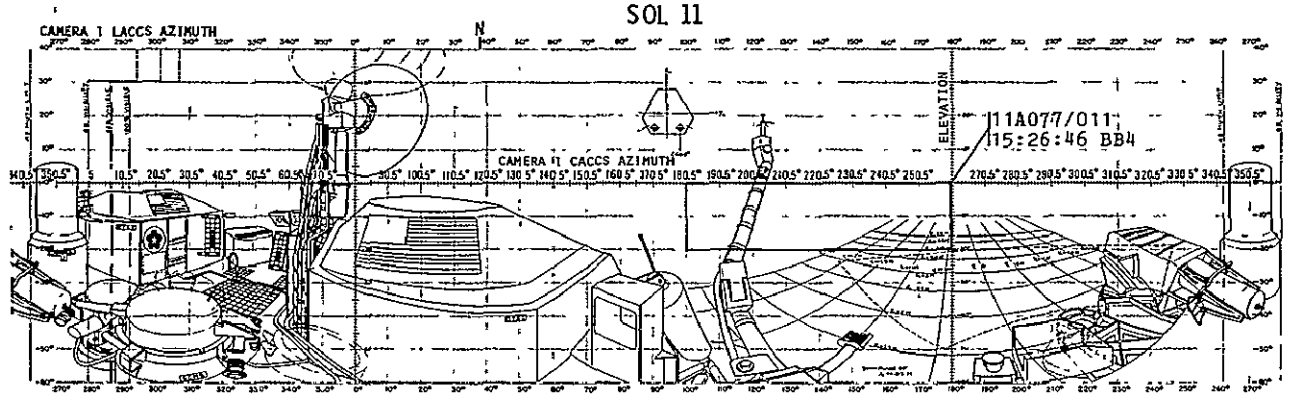


CAMERA 1 VIEW

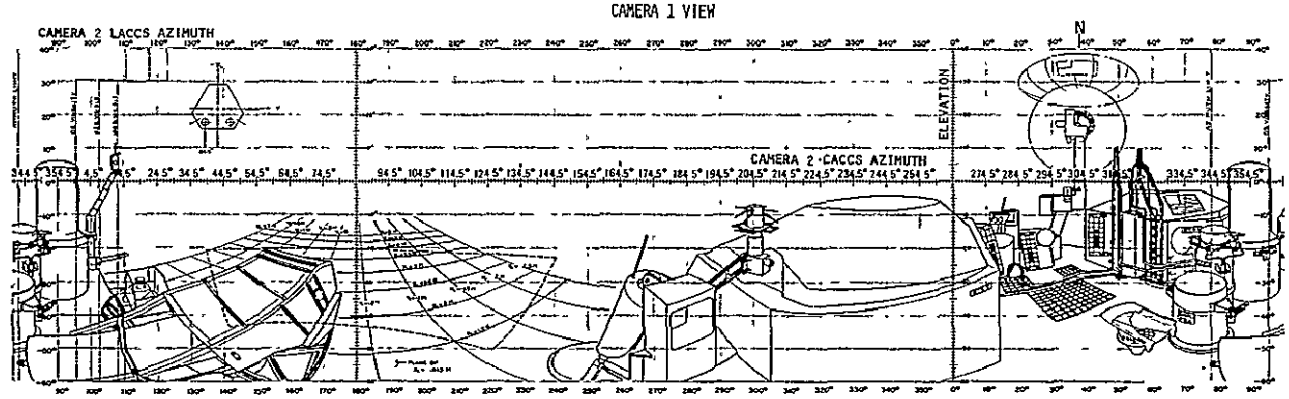


CAMERA 2 VIEW

SOL 11



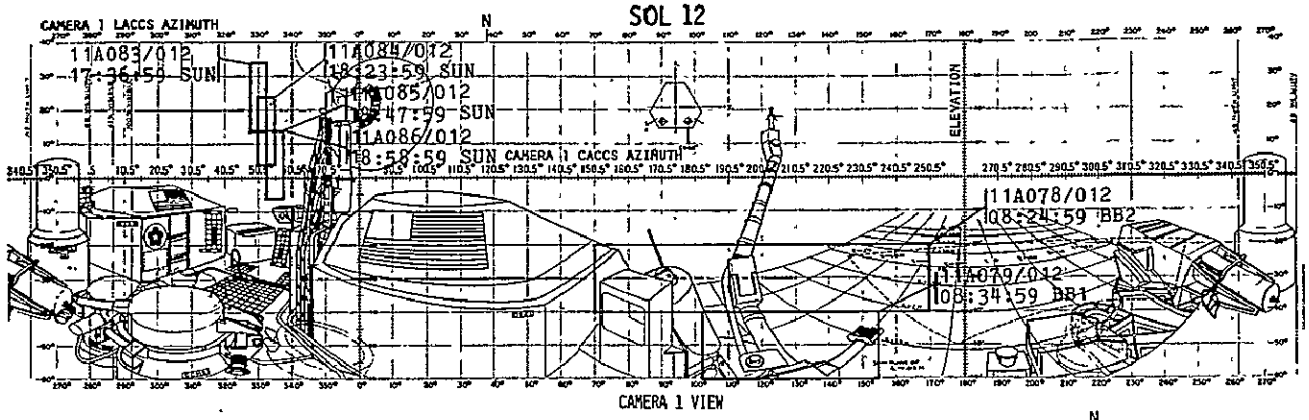
CAMERA 1 VIEW



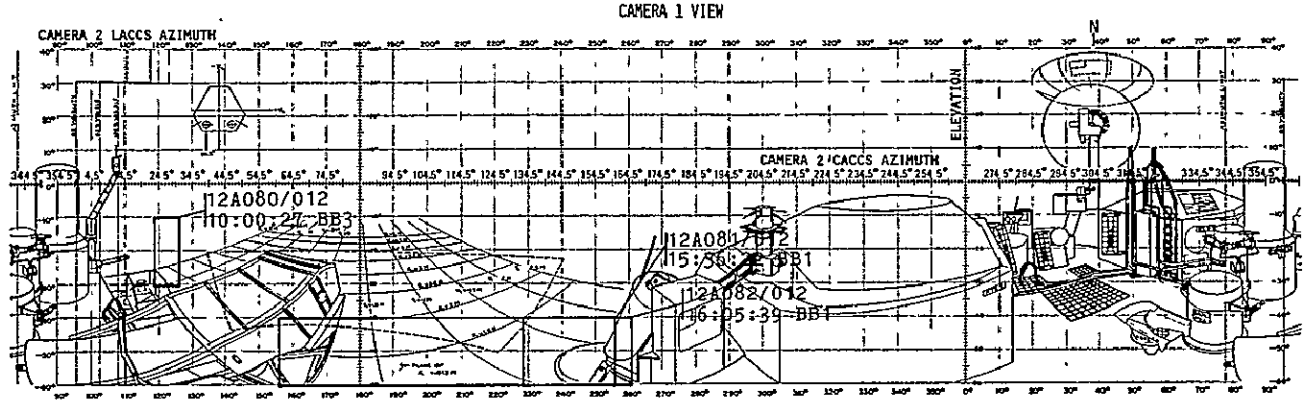
CAMERA 2 VIEW

VL-1

SOL 12

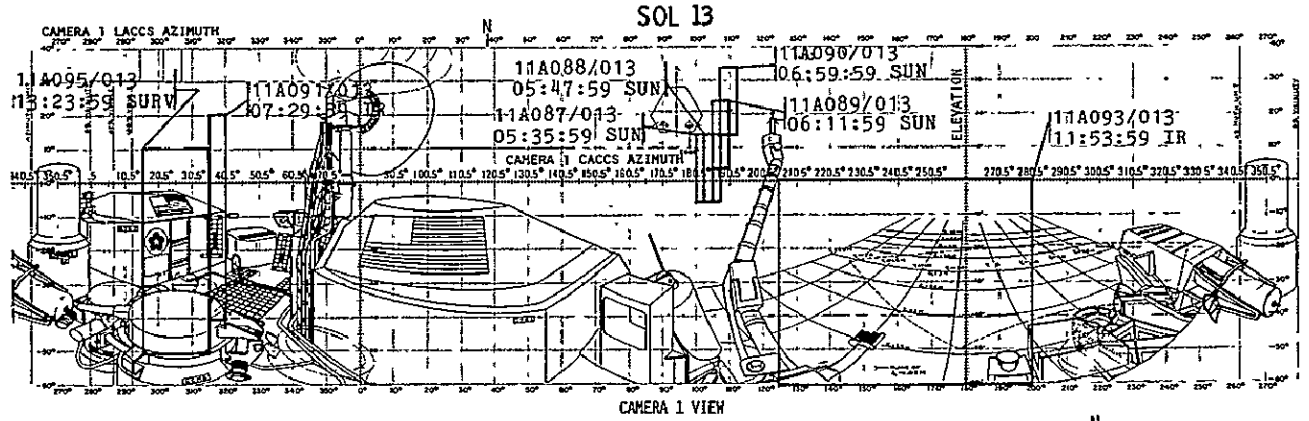


CAMERA 1 VIEW

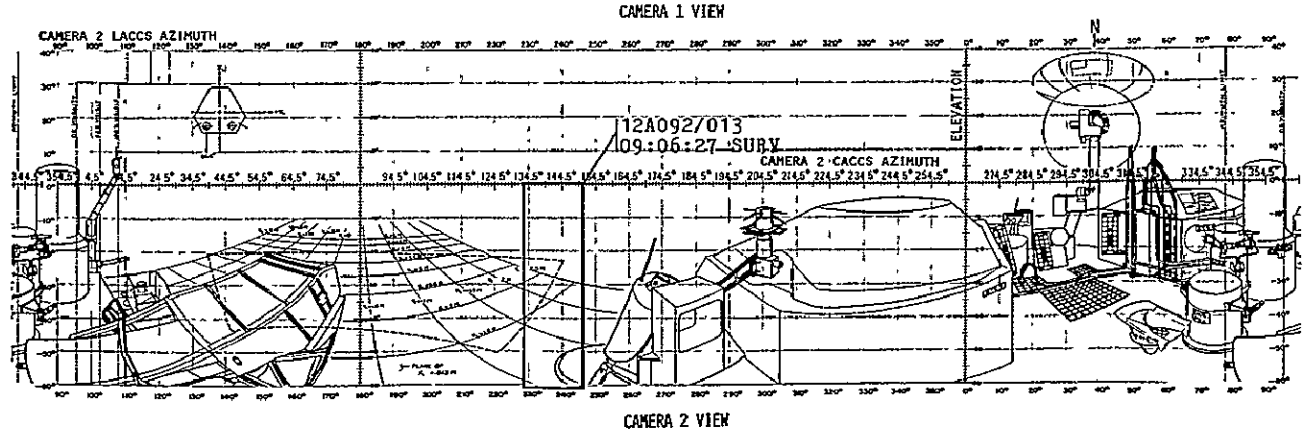


CAMERA 2 VIEW

SOL 13



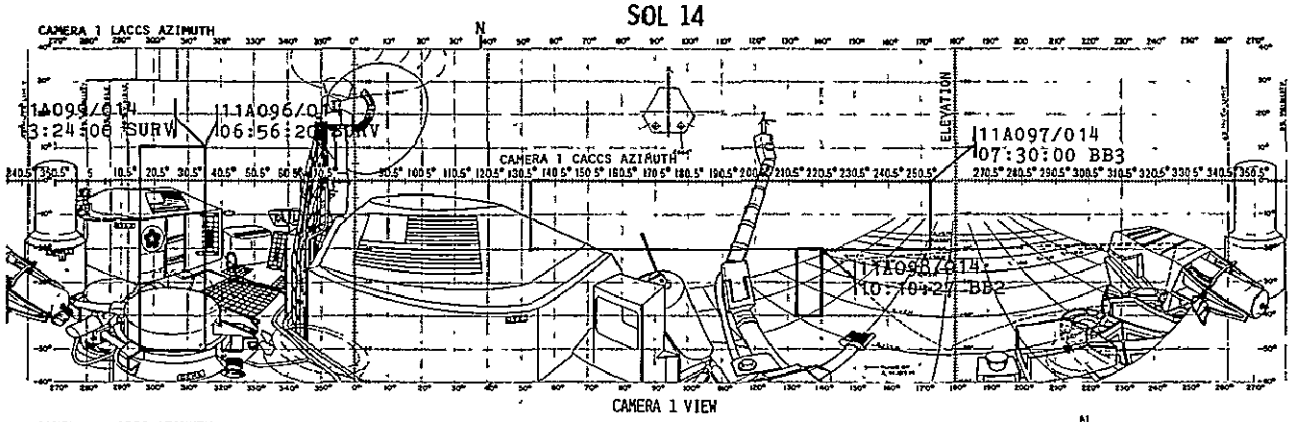
CAMERA 1 VIEW



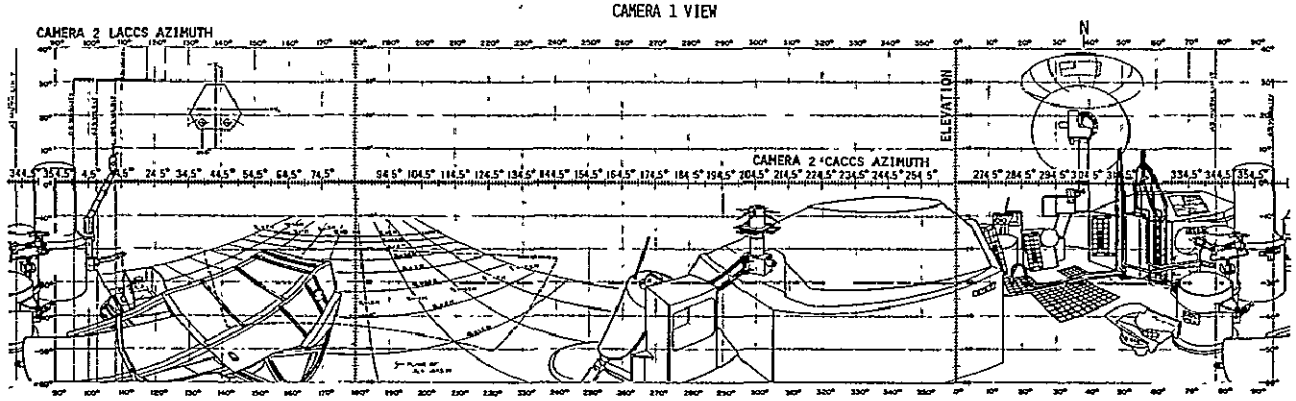
CAMERA 2 VIEW

VL-1

SOL 14

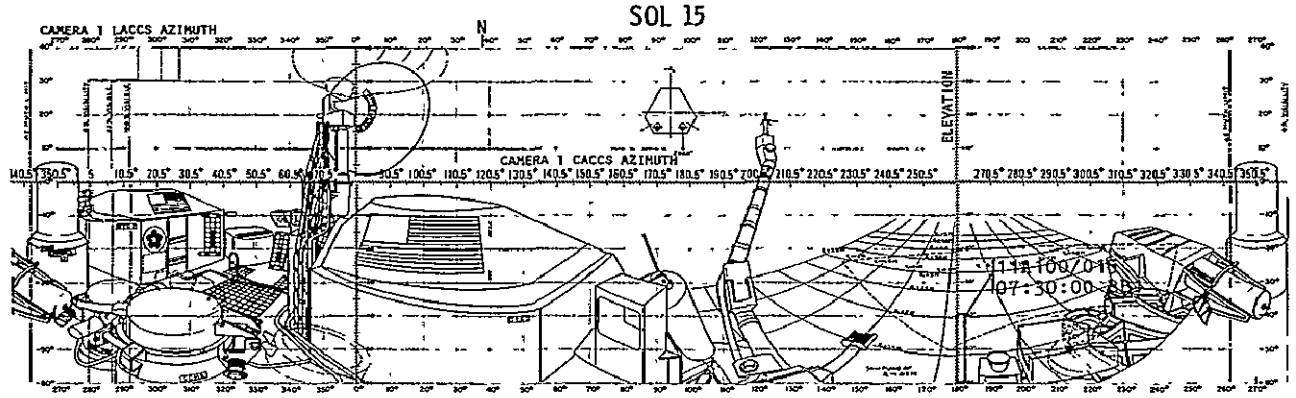


CAMERA 1 VIEW

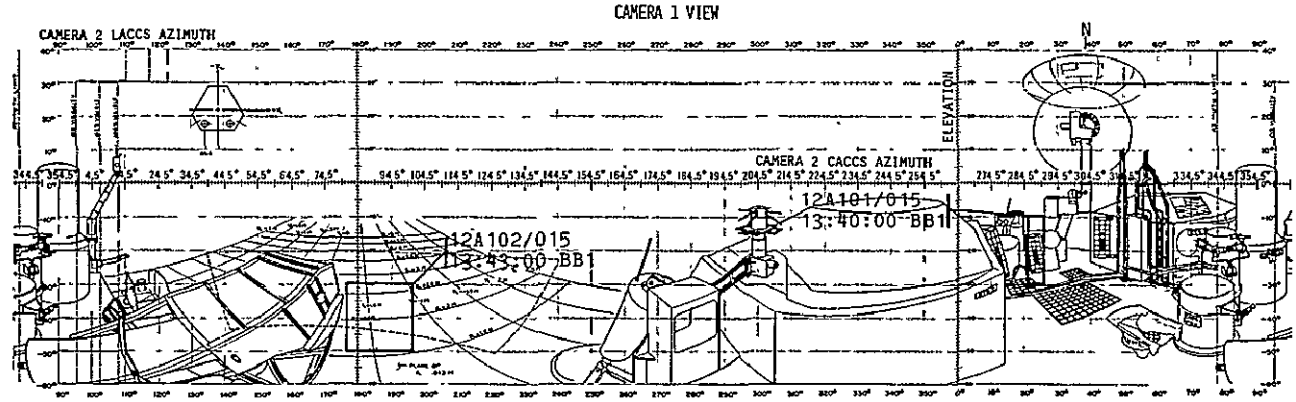


CAMERA 2 VIEW

SOL 15



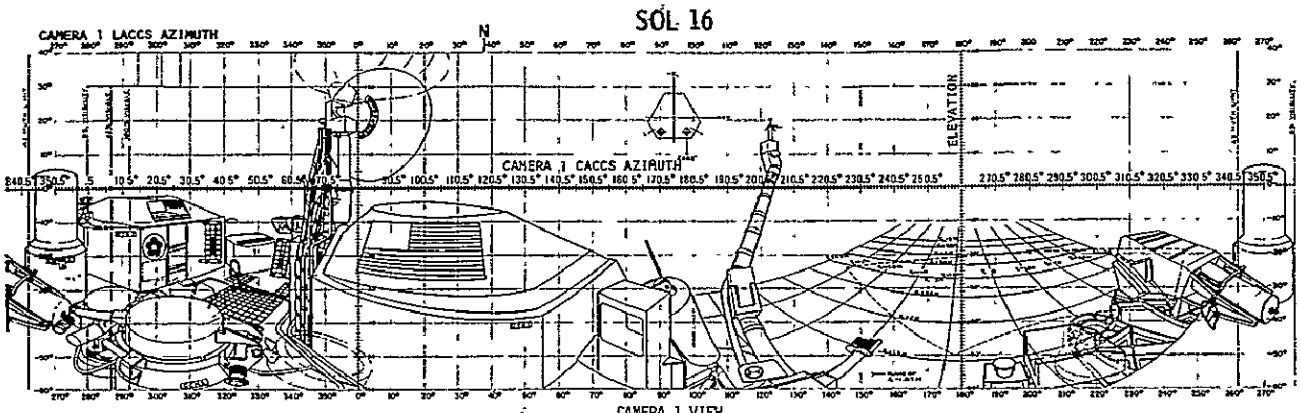
CAMERA 1 VIEW



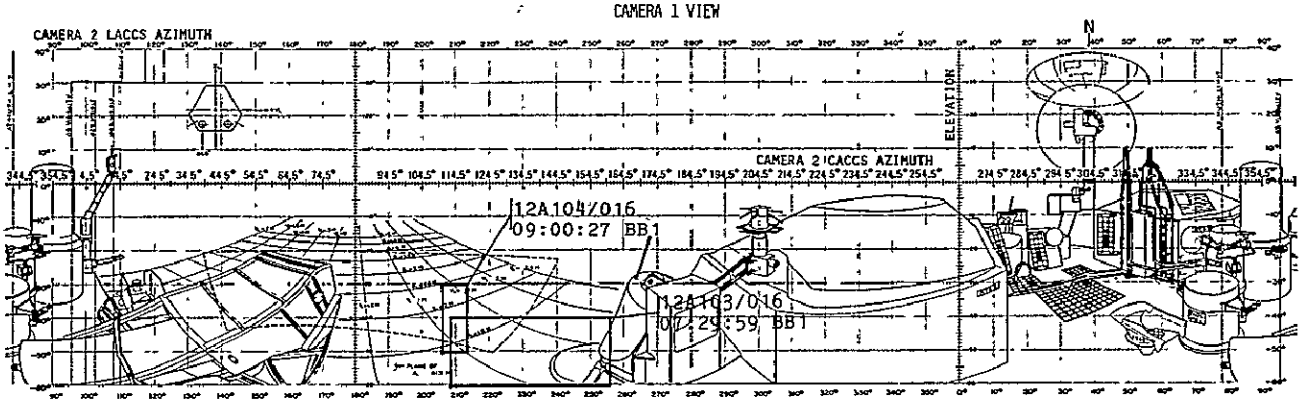
CAMERA 2 VIEW

VL-1

SOL 16

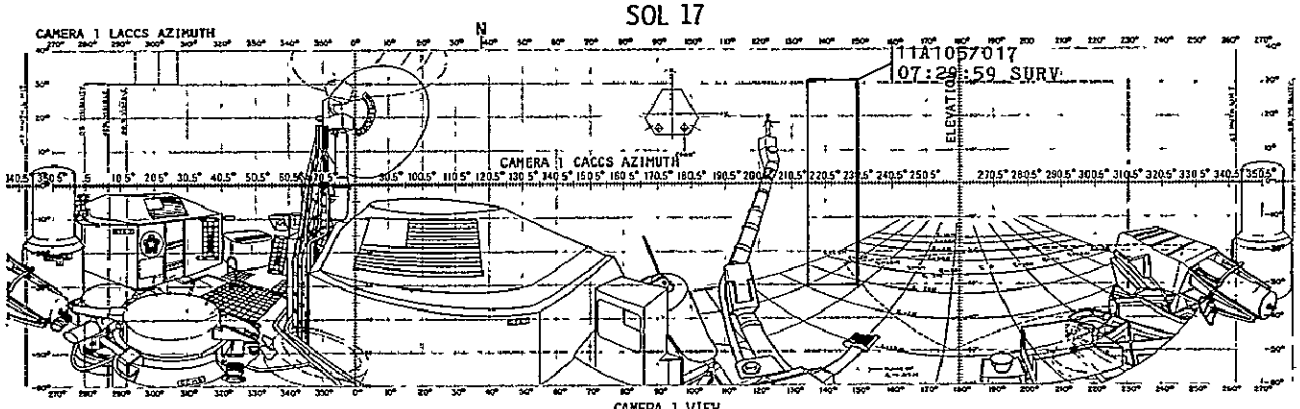


CAMERA 1 VIEW

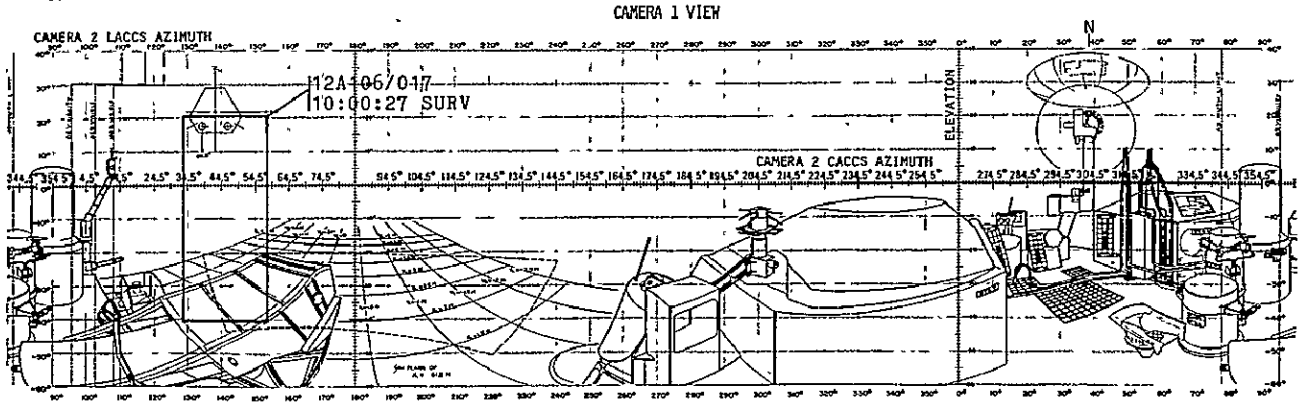


CAMERA 2 VIEW

SOL 17



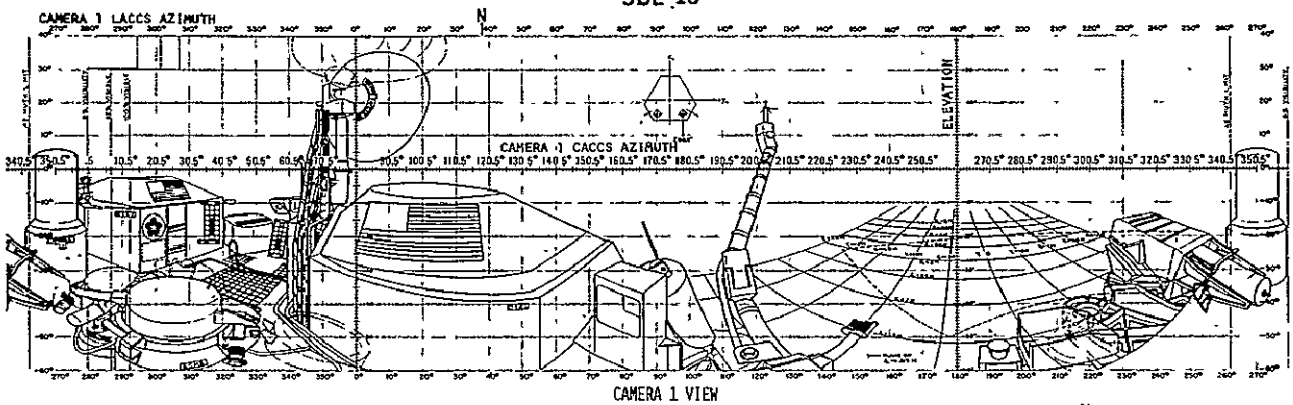
CAMERA 1 VIEW



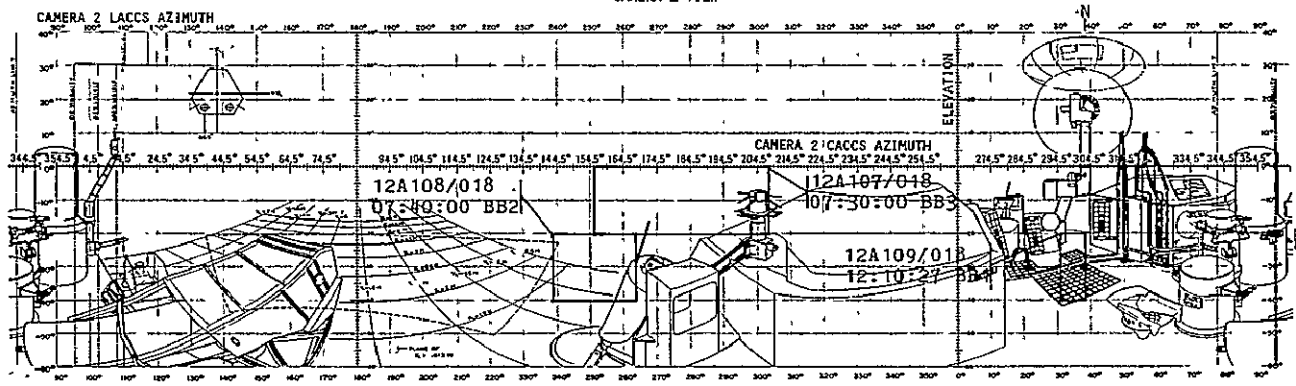
CAMERA 2 VIEW

VL-1

SOL 18

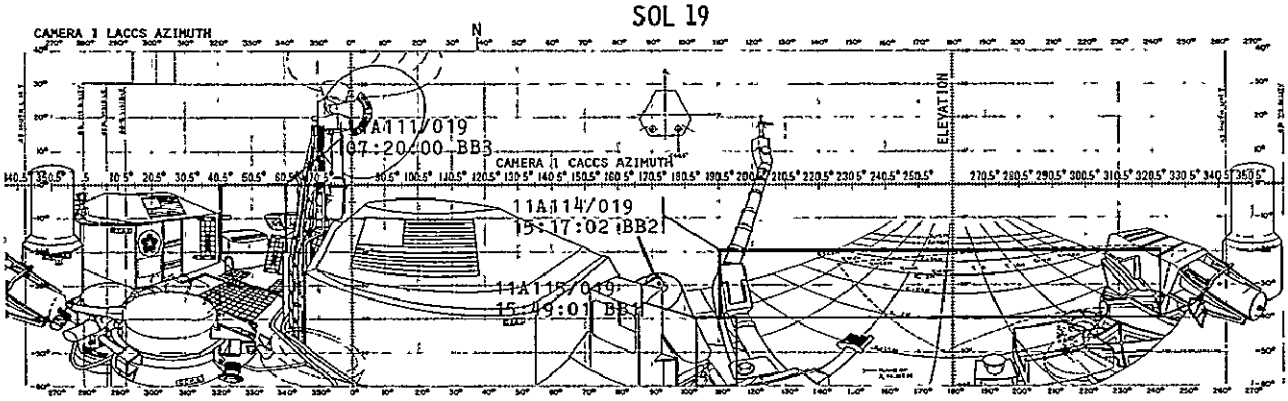


CAMERA 1 VIEW

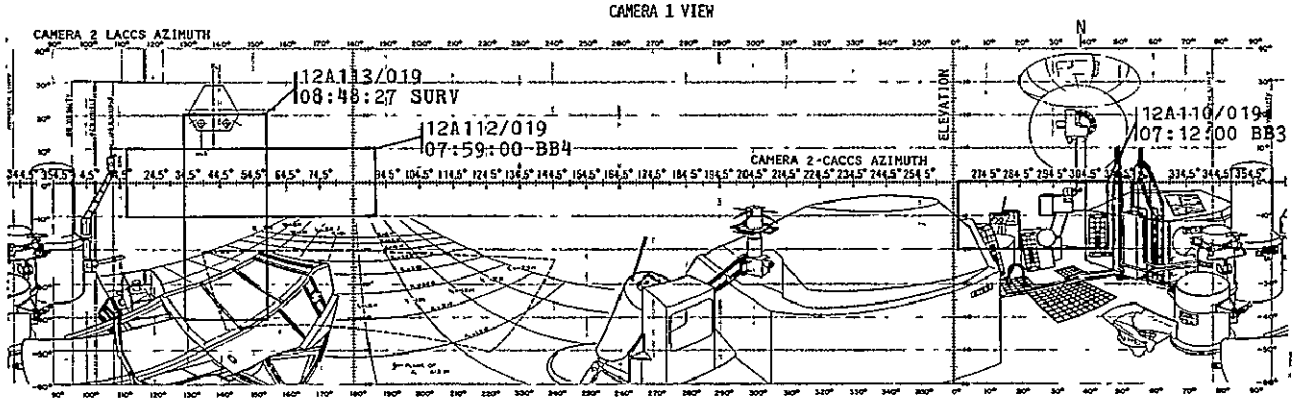


CAMERA 2 VIEW

SOL 19



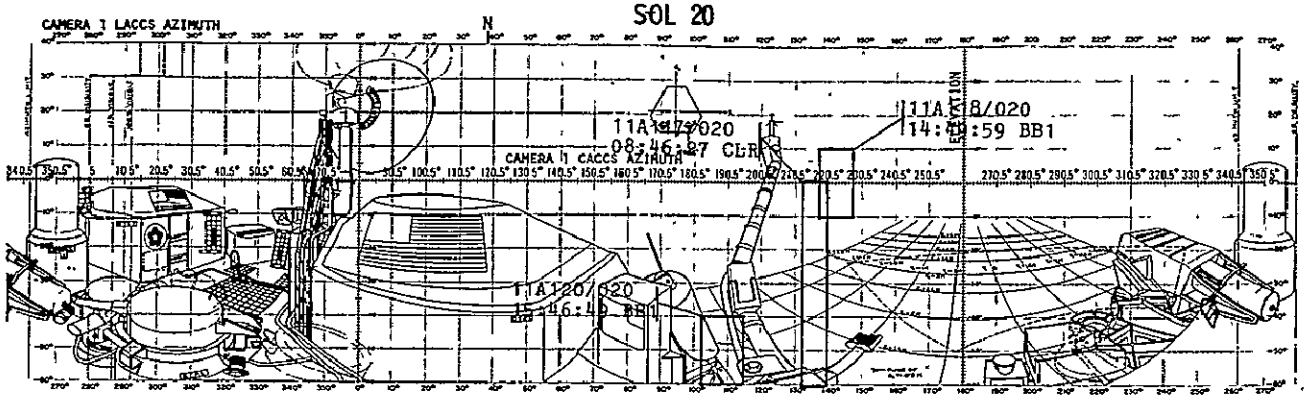
CAMERA 1 VIEW



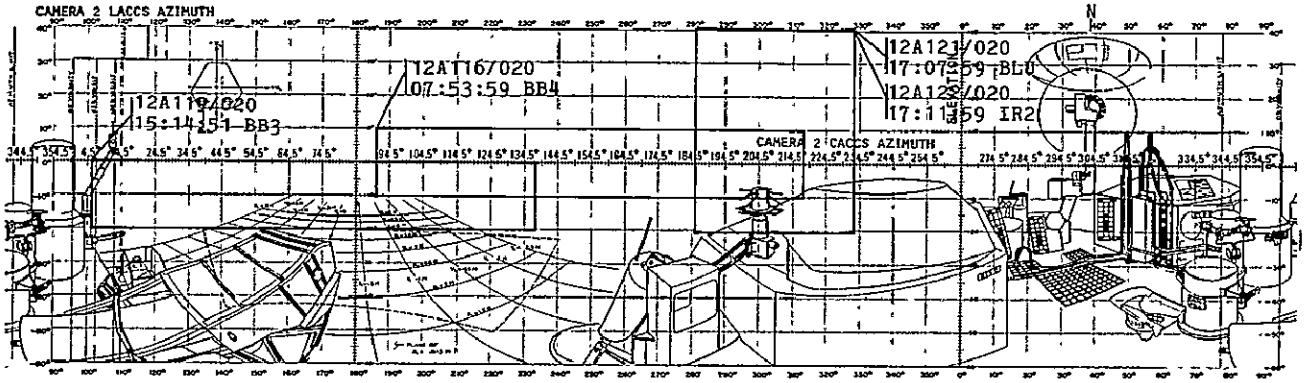
CAMERA 2 VIEW

VL-1

SOL 20

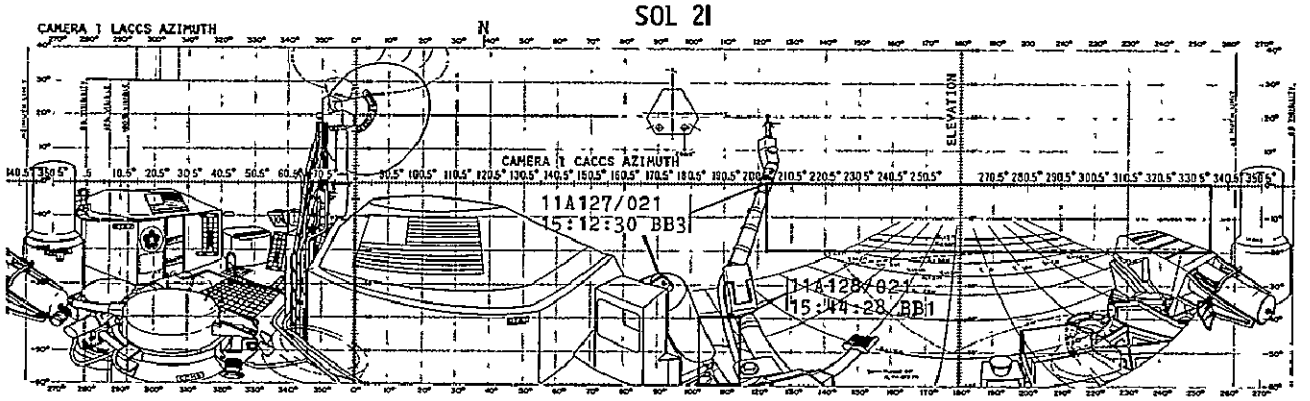


CAMERA 1 VIEW

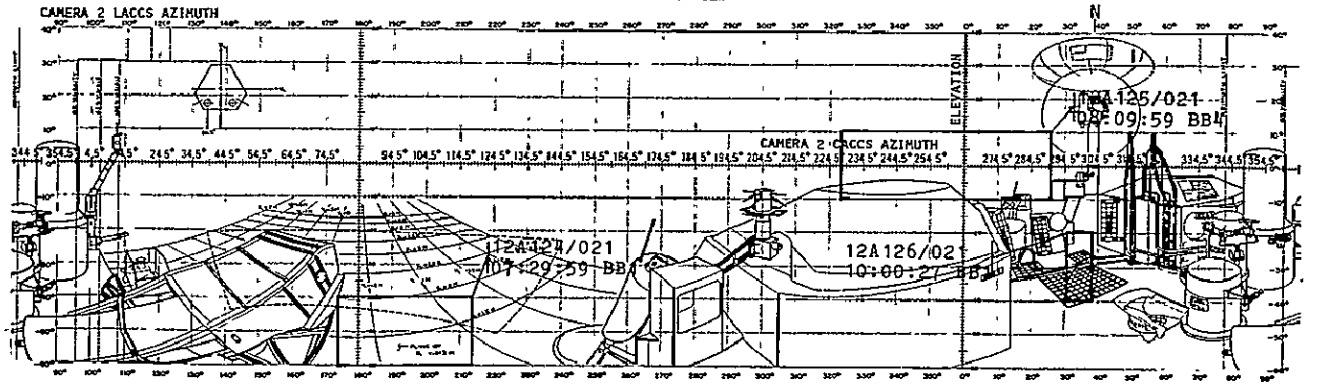


CAMERA 2 VIEW

SOL 21



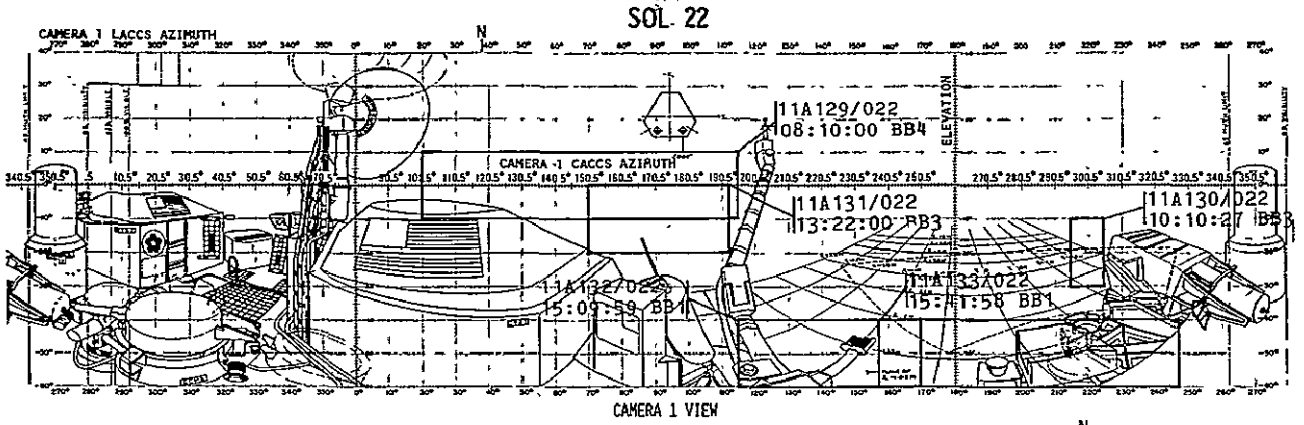
CAMERA 1 VIEW



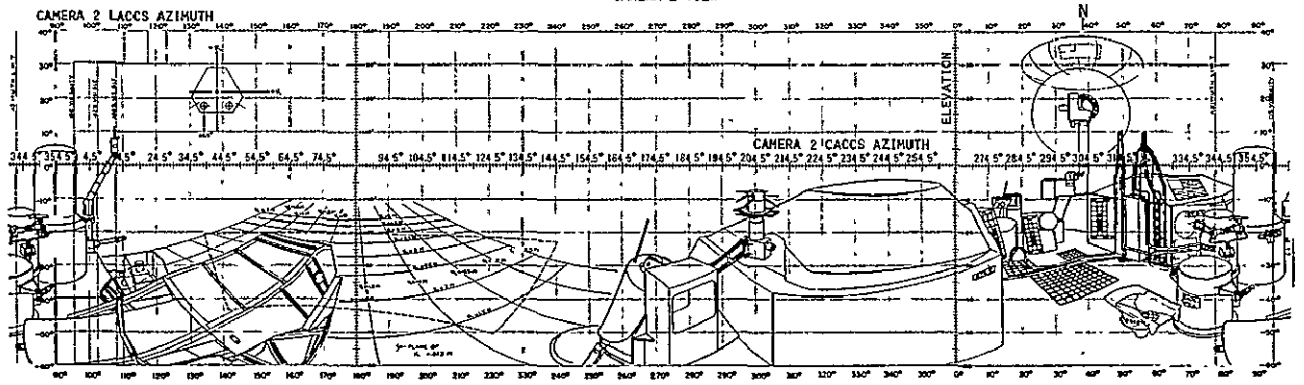
CAMERA 2 VIEW

VL-1

SOL 22

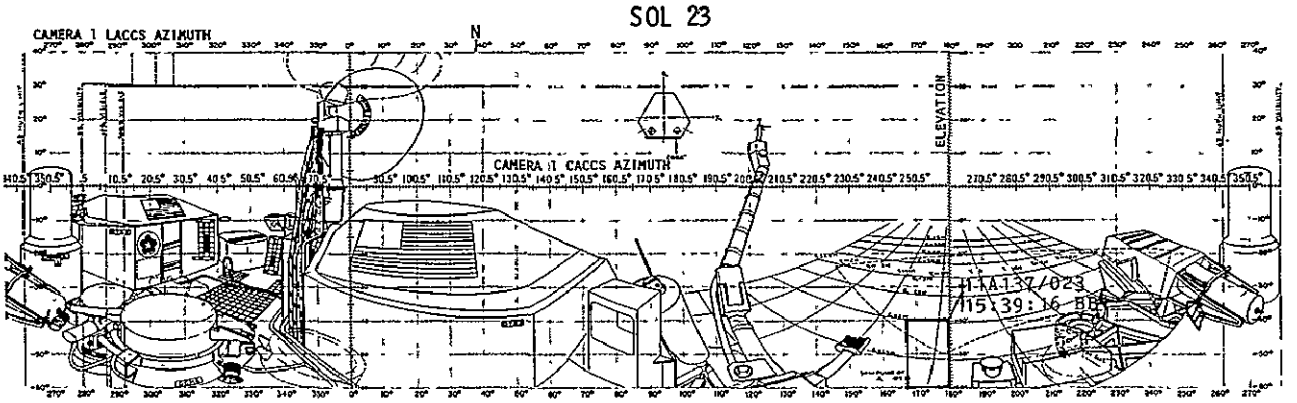


CAMERA 1 VIEW

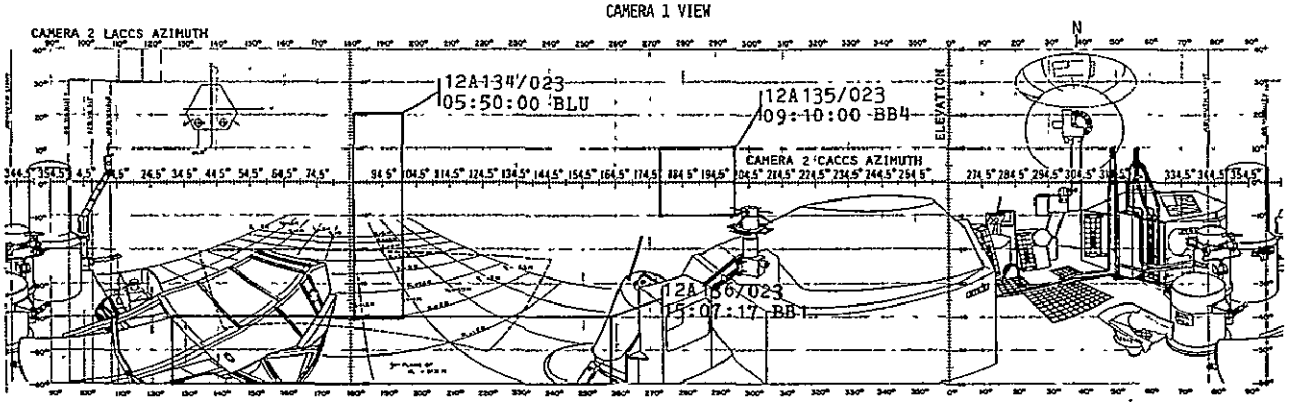


CAMERA 2 VIEW

SOL 23



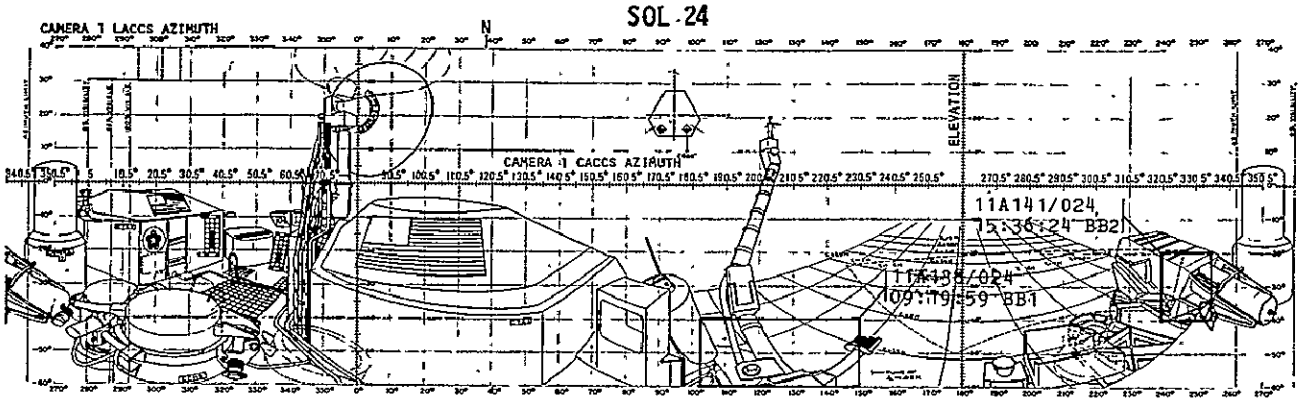
CAMERA 1 VIEW



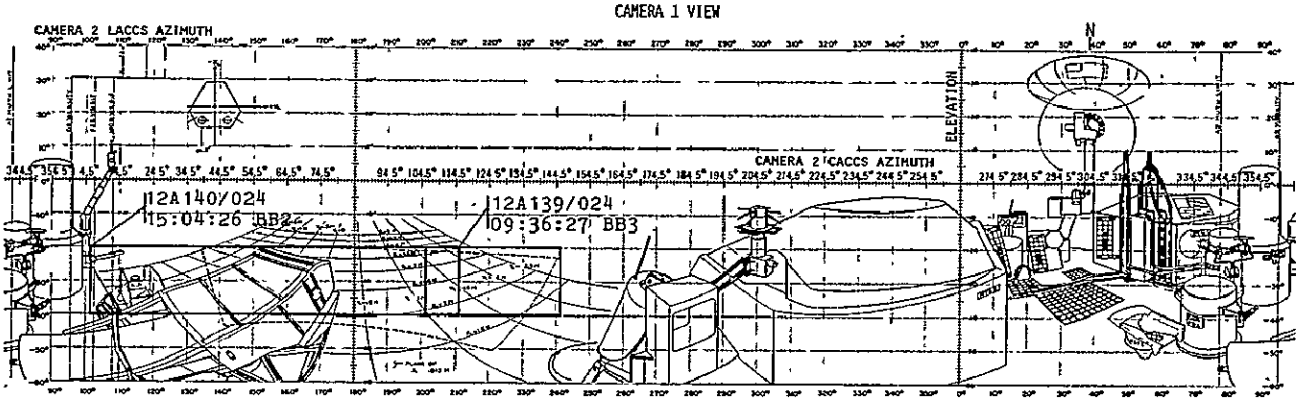
CAMERA 2 VIEW

VL-1

SOL 24

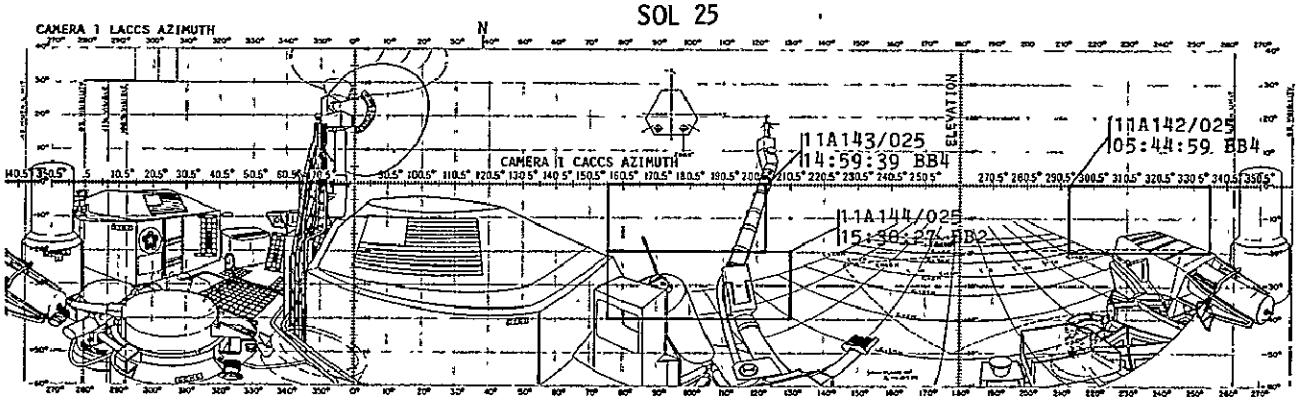


CAMERA 1 VIEW

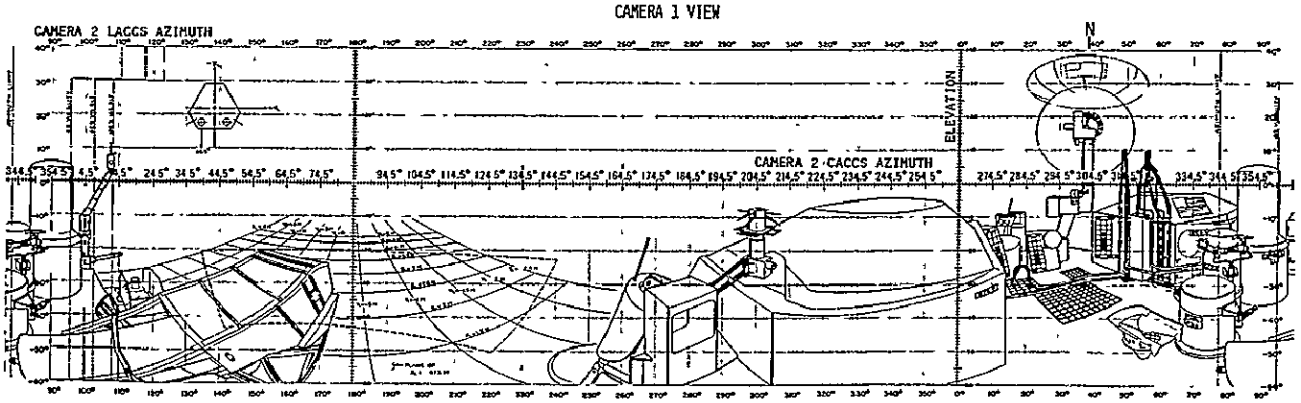


CAMERA 2 VIEW

SOL 25



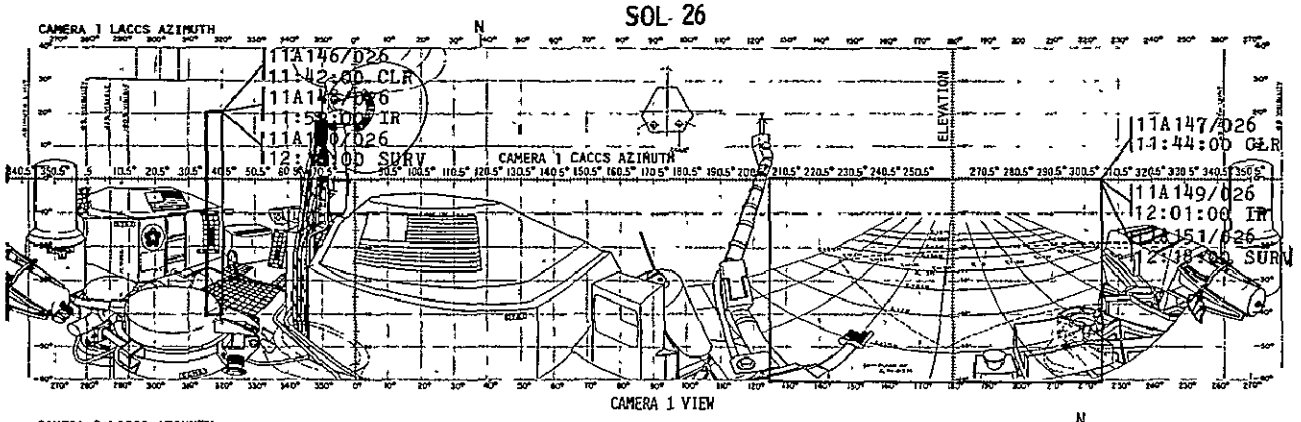
CAMERA 1 VIEW



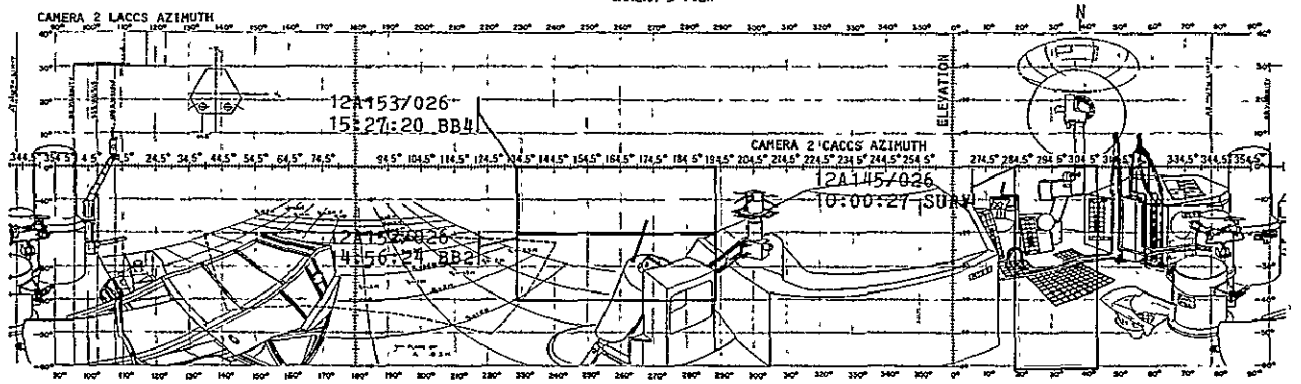
CAMERA 2 VIEW

VL-1

SOL 26

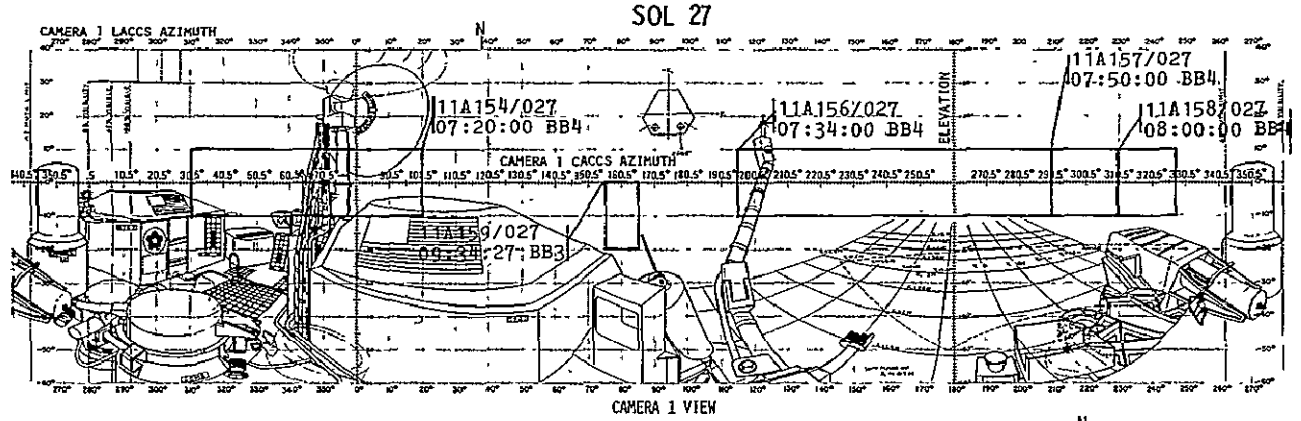


CAMERA 1 VIEW

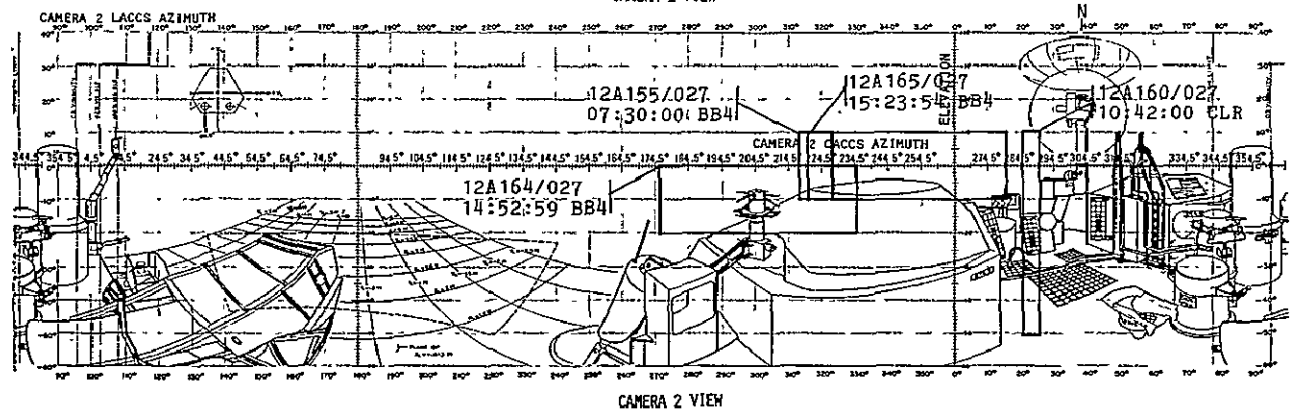


CAMERA 2 VIEW

SOL 27



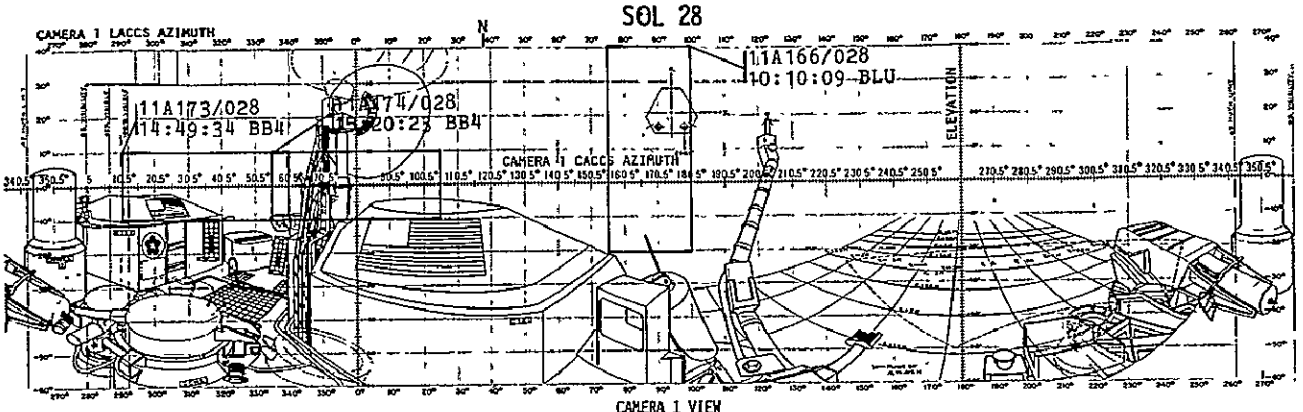
CAMERA 1 VIEW



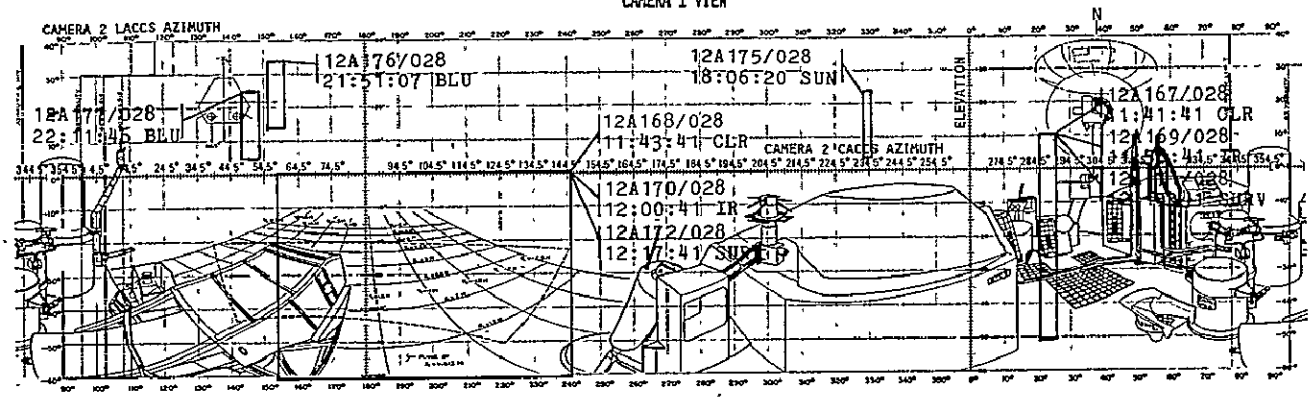
CAMERA 2 VIEW

VL-1

SOL 28

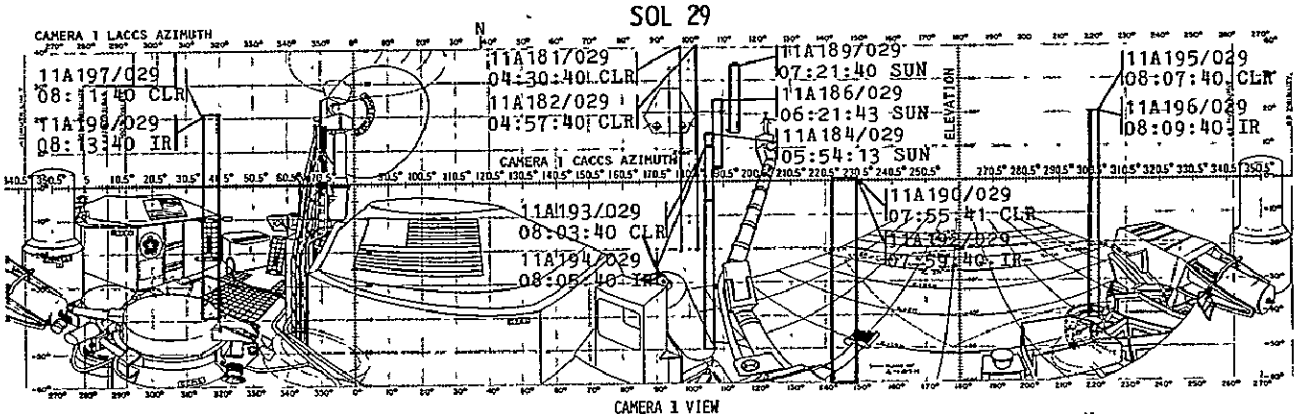


CAMERA 1 VIEW

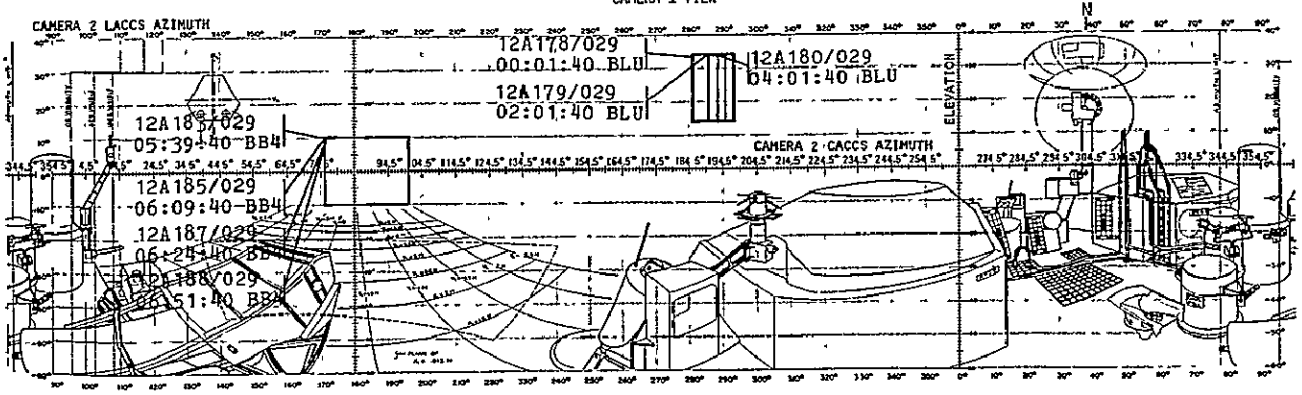


CAMERA 2 VIEW

SOL 29



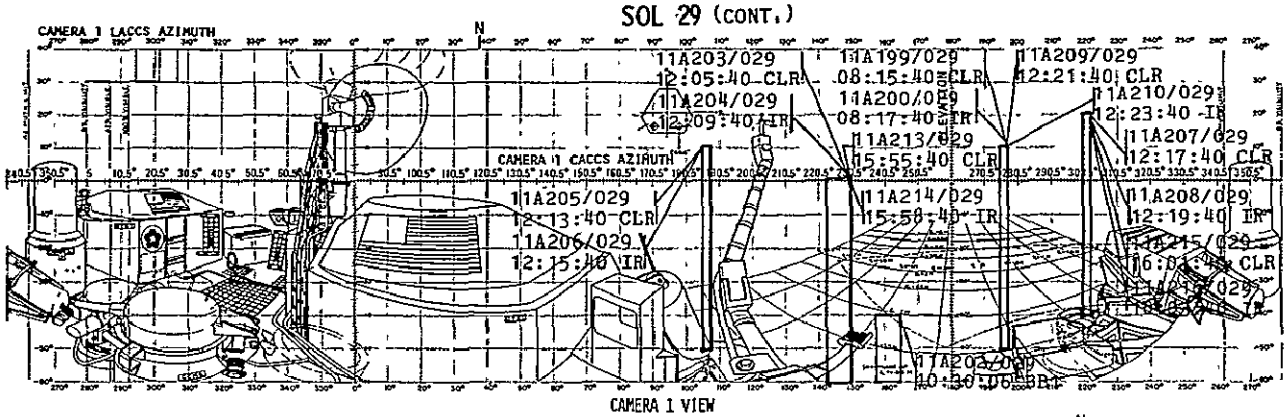
CAMERA 1 VIEW



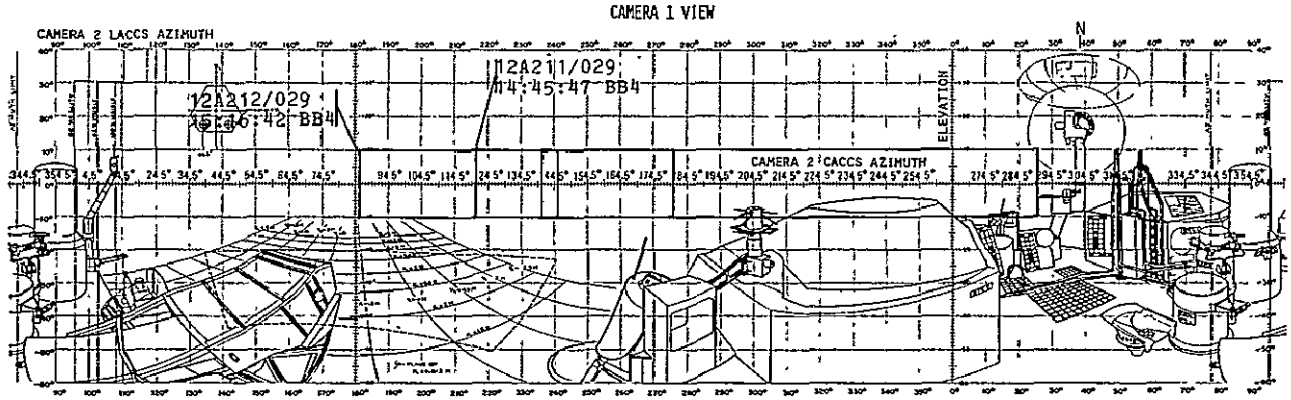
CAMERA 2 VIEW

VL-1

SOL 29 (CONT.)

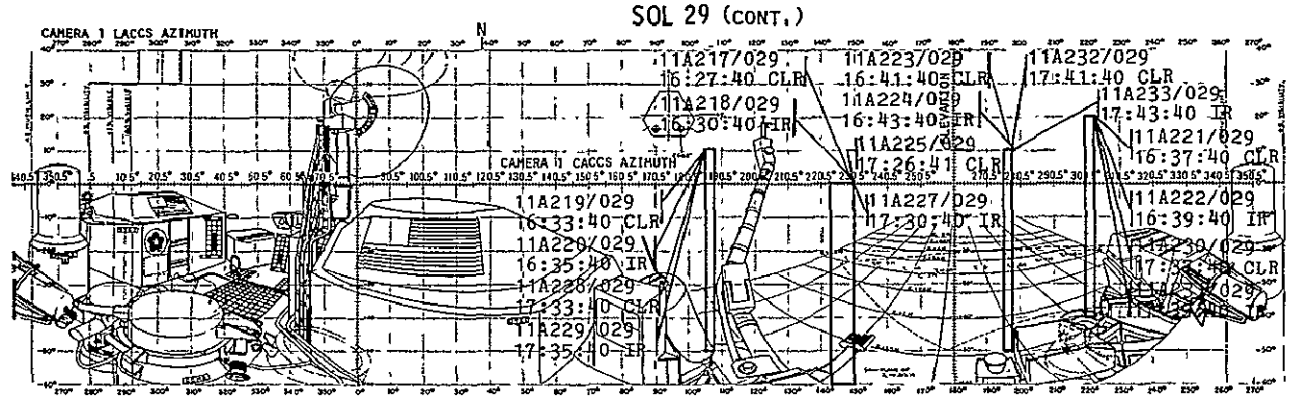


CAMERA 1 VIEW

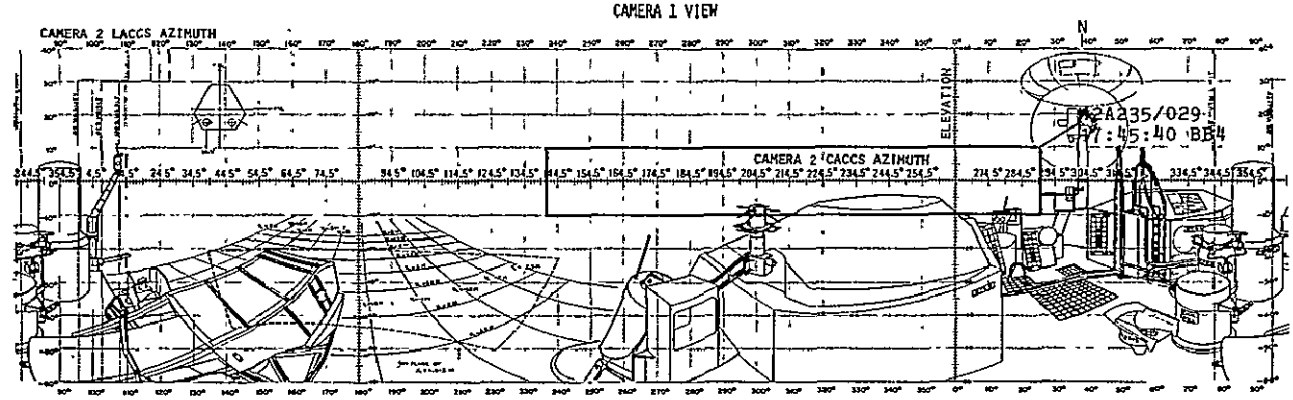


CAMERA 2 VIEW

SOL 29 (CONT.)



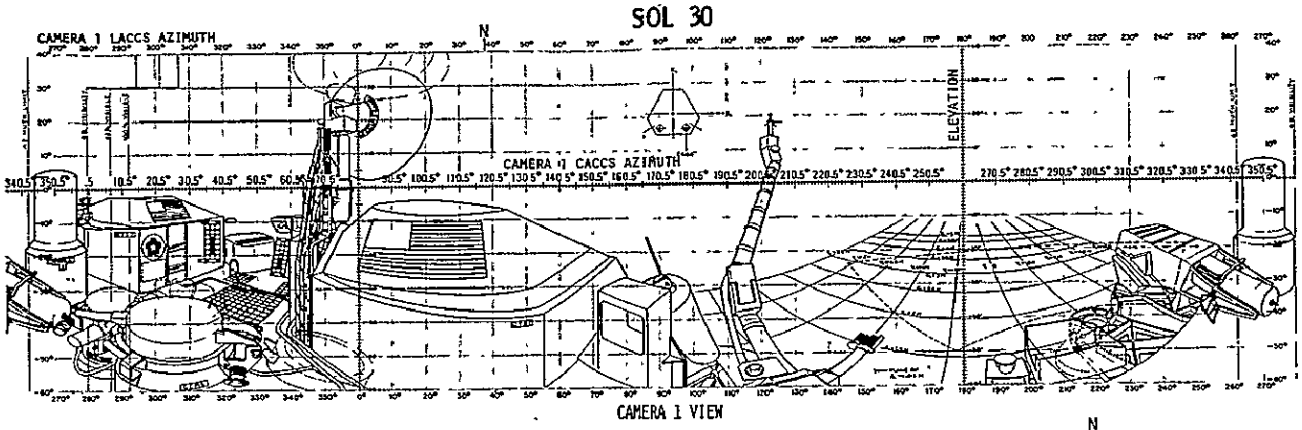
CAMERA 1 VIEW



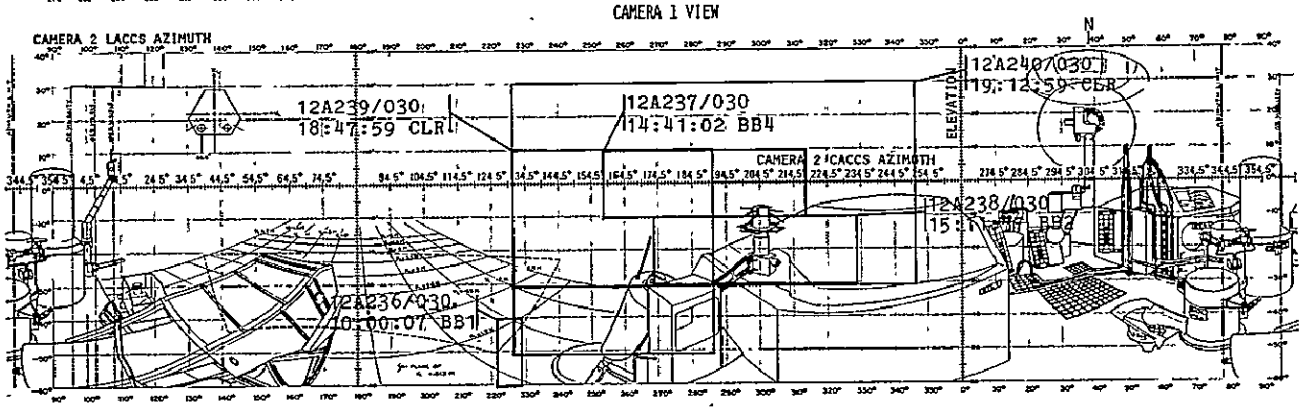
CAMERA 2 VIEW

VL-1

SOL 30

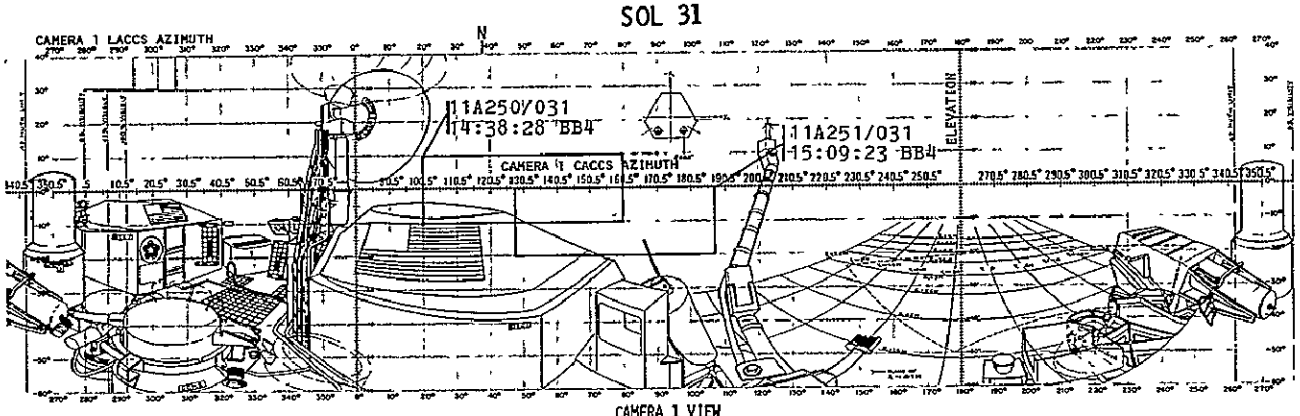


CAMERA 1 VIEW

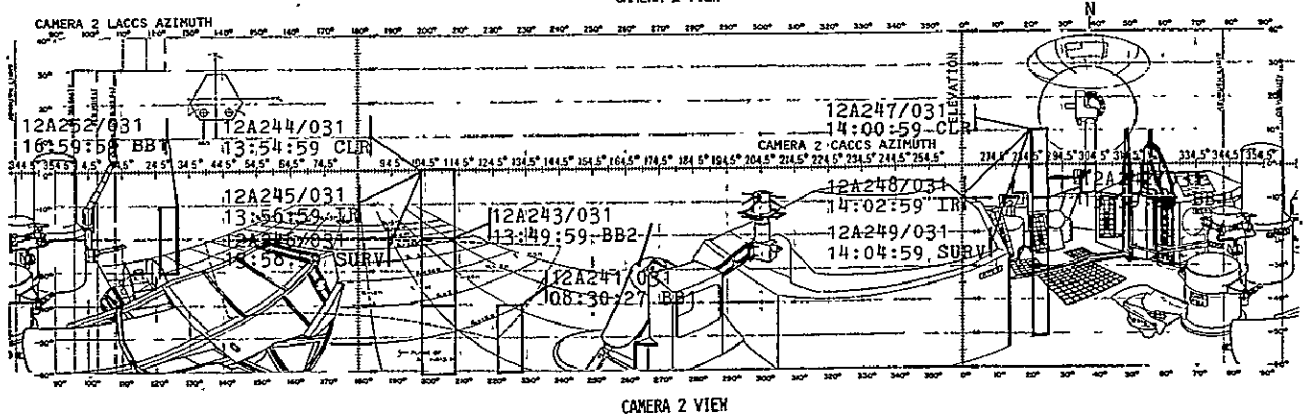


CAMERA 2 VIEW

SOL 31



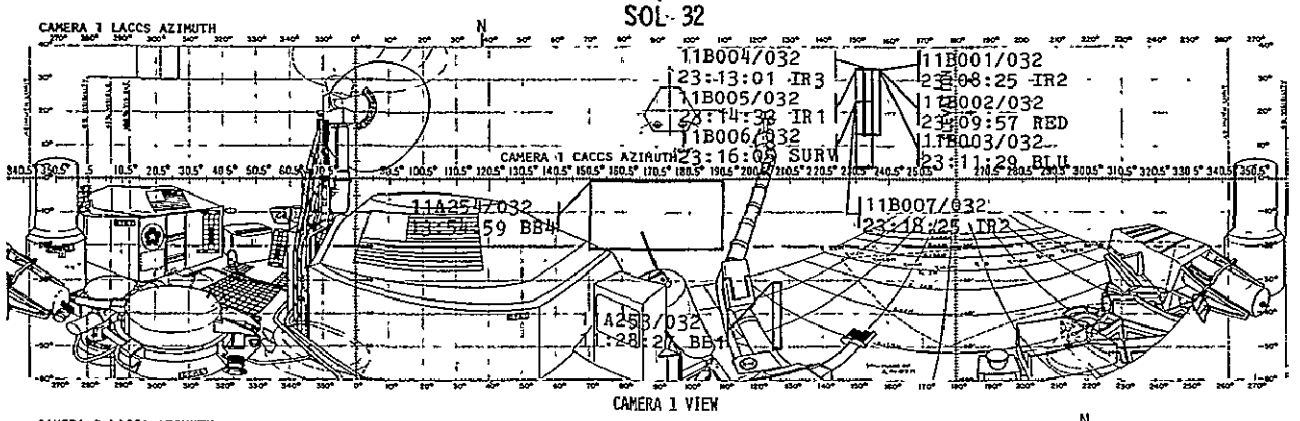
CAMERA 1 VIEW



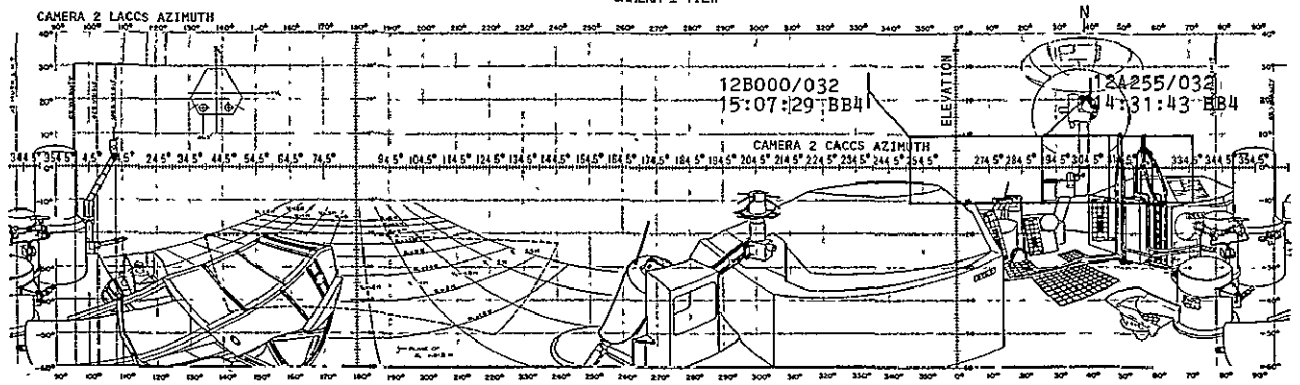
CAMERA 2 VIEW

VL-1

SOL 32

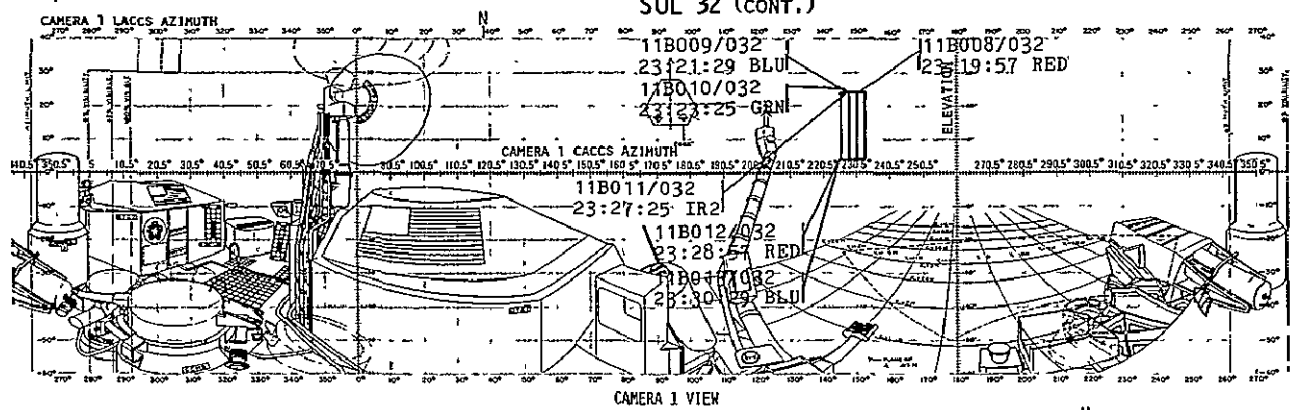


CAMERA 1 VIEW

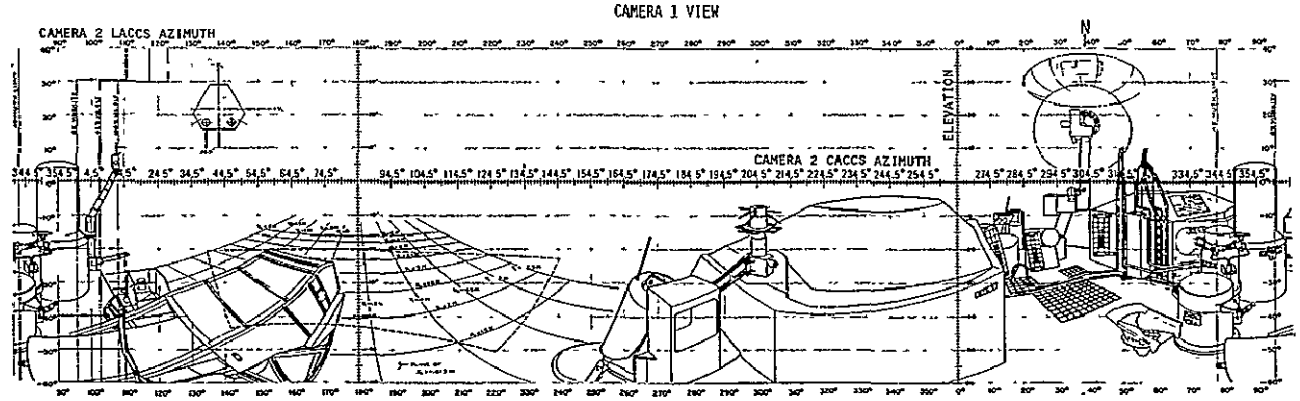


CAMERA 2 VIEW

SOL 32 (CONT.)



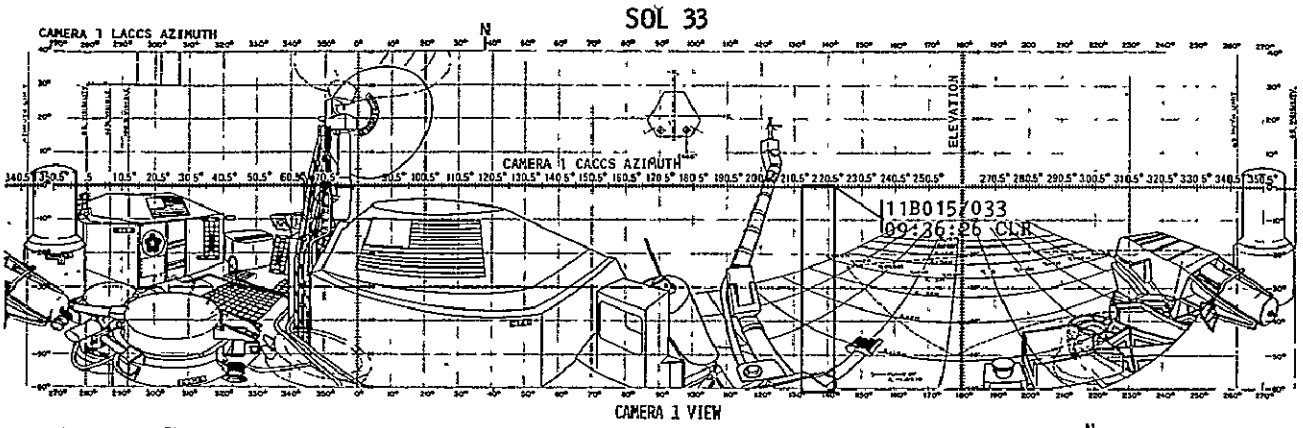
CAMERA 1 VIEW



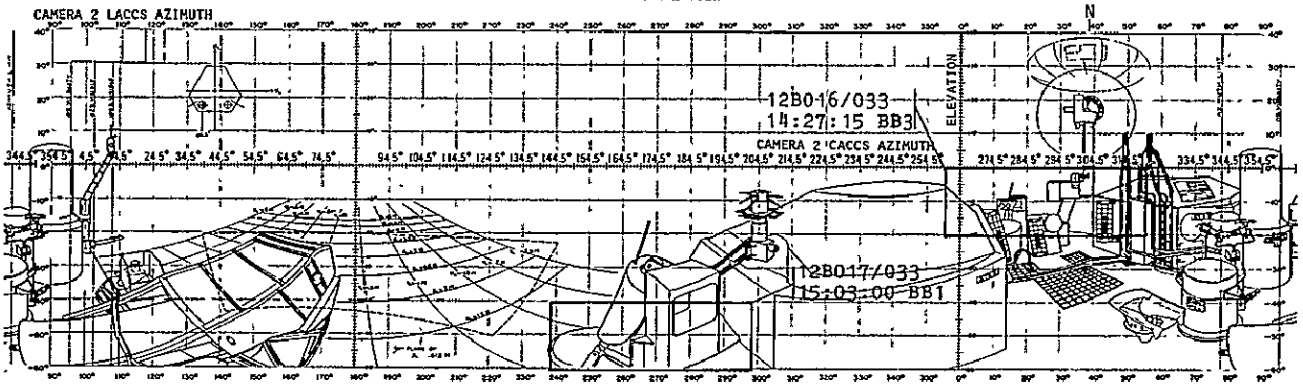
CAMERA 2 VIEW

VL-1

SOL 33

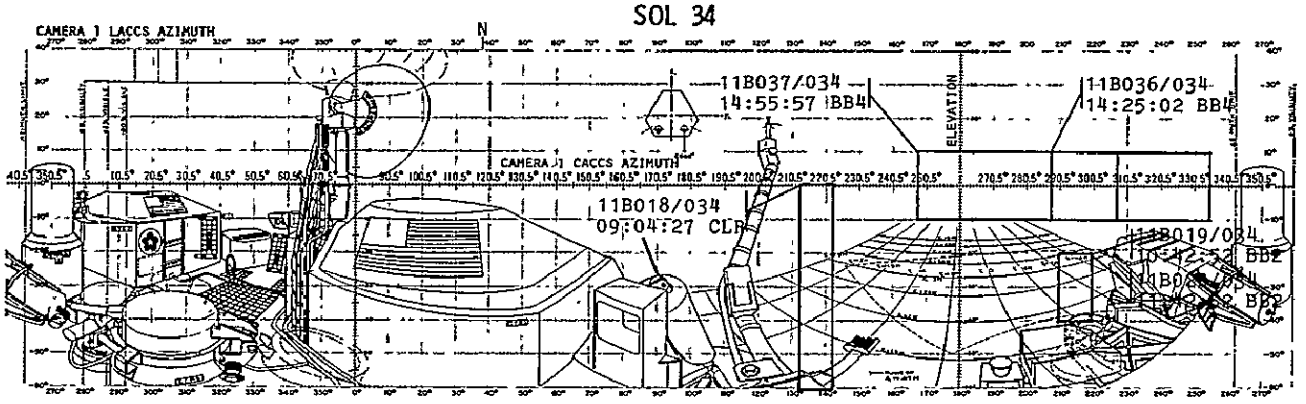


CAMERA 1 VIEW

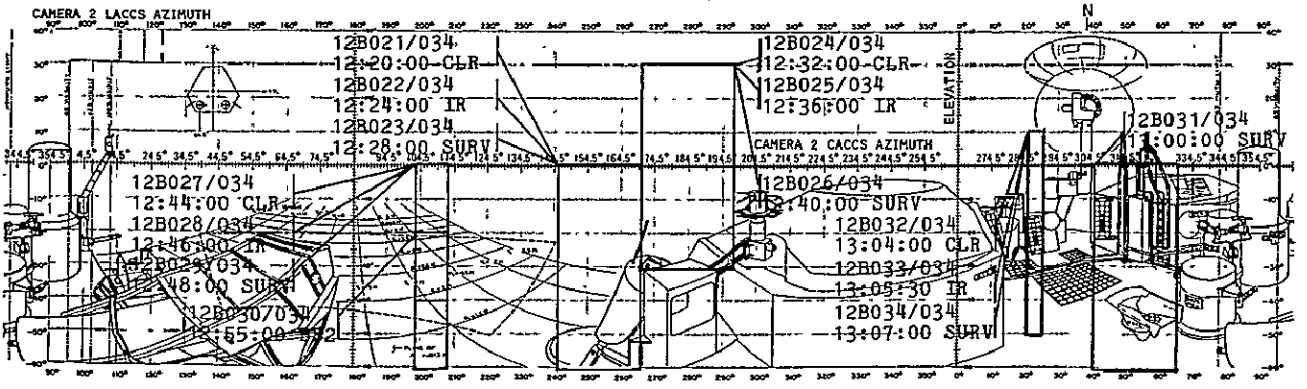


CAMERA 2 VIEW

SOL 34



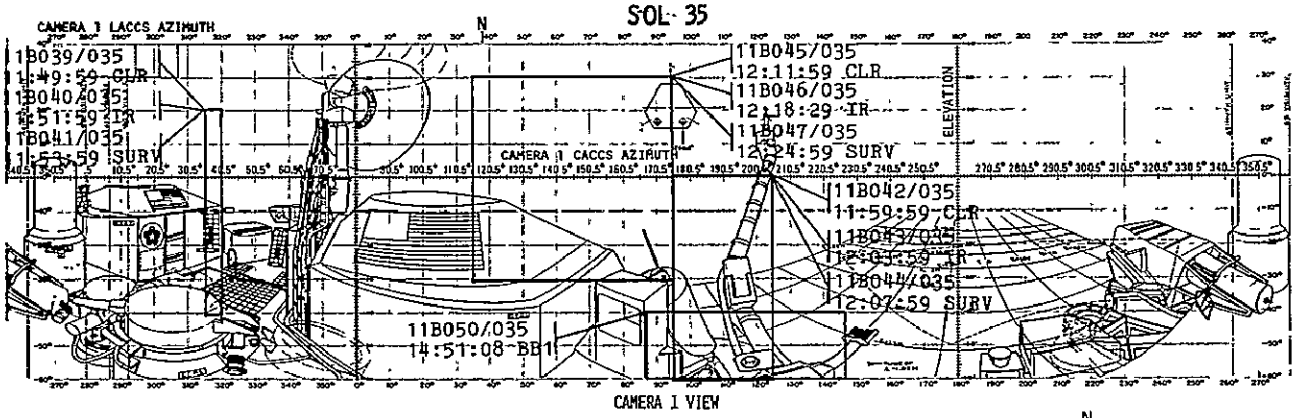
CAMERA 1 VIEW



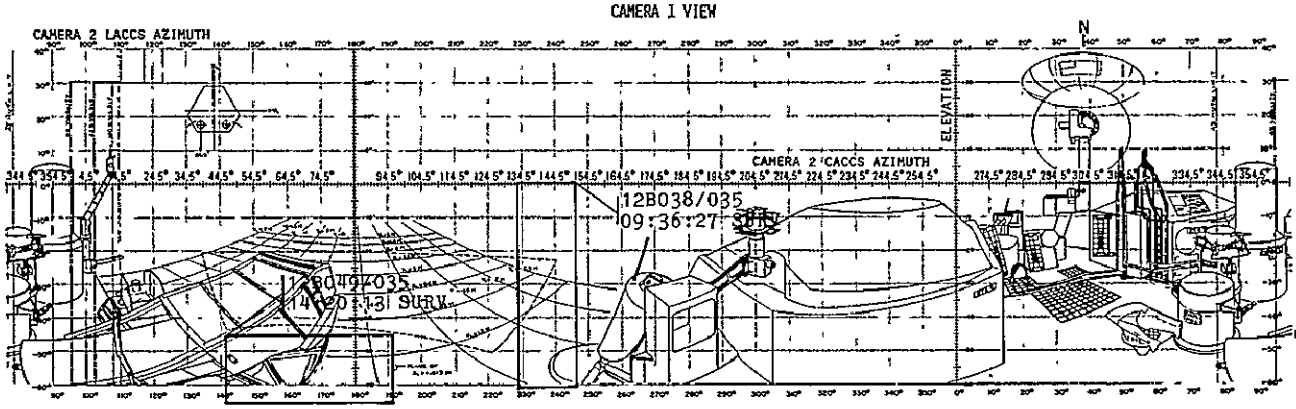
CAMERA 2 VIEW

VL-1

SOL 35

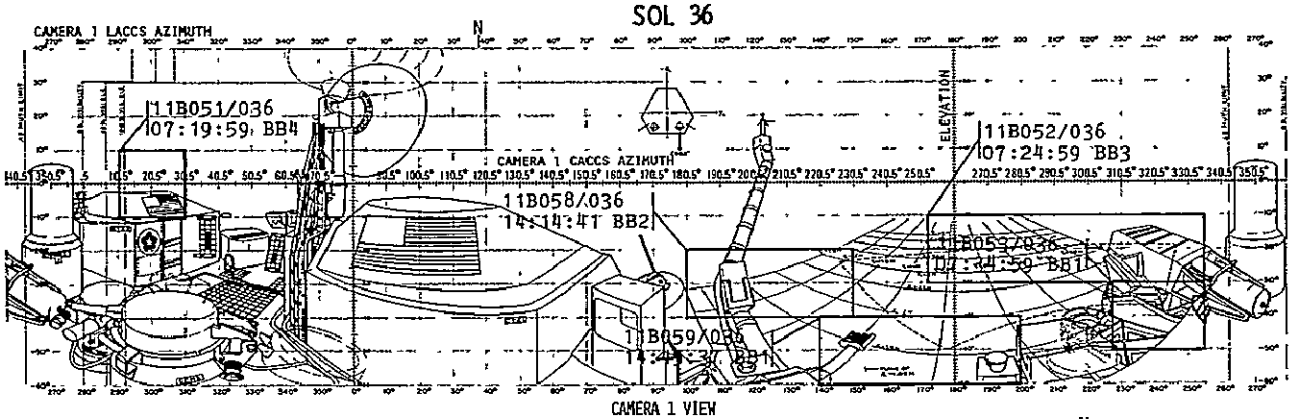


CAMERA 1 VIEW

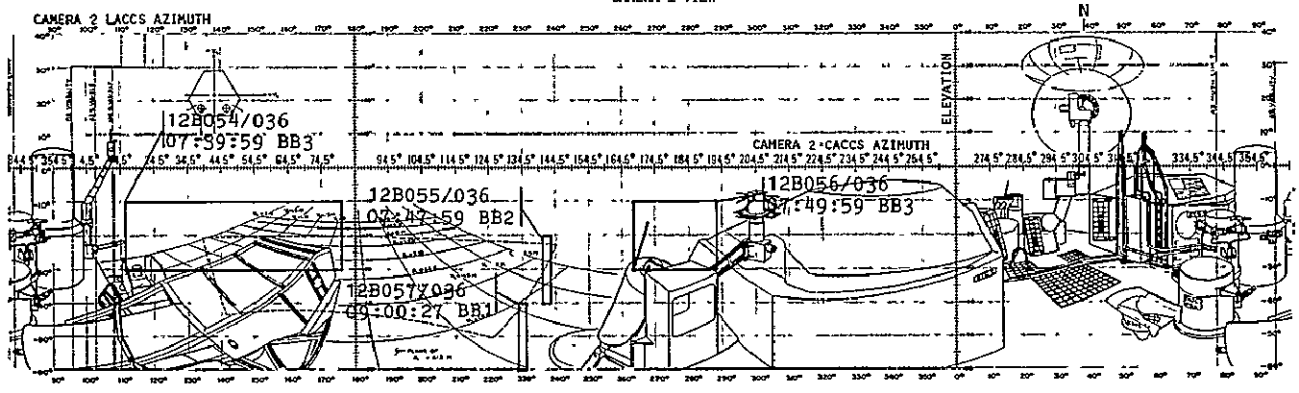


CAMERA 2 VIEW

SOL 36



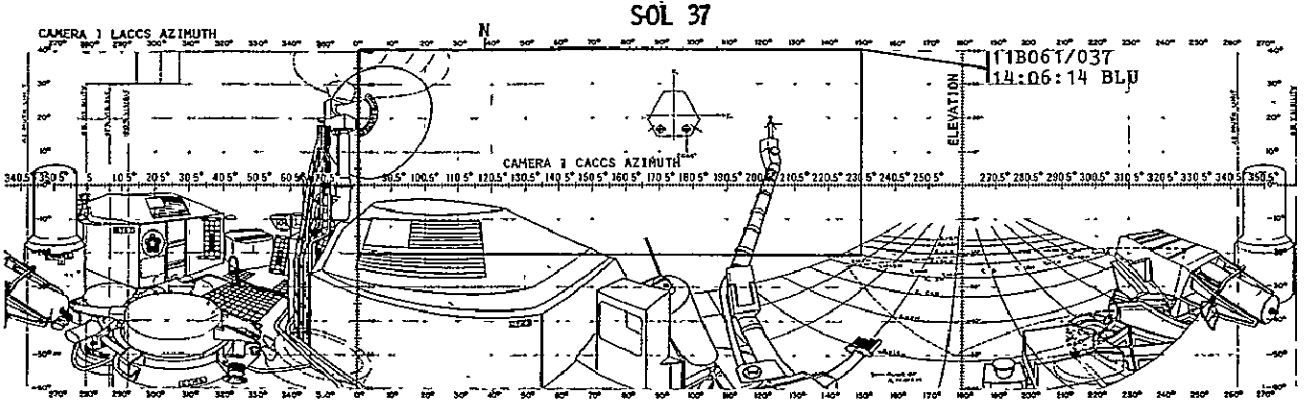
CAMERA 1 VIEW



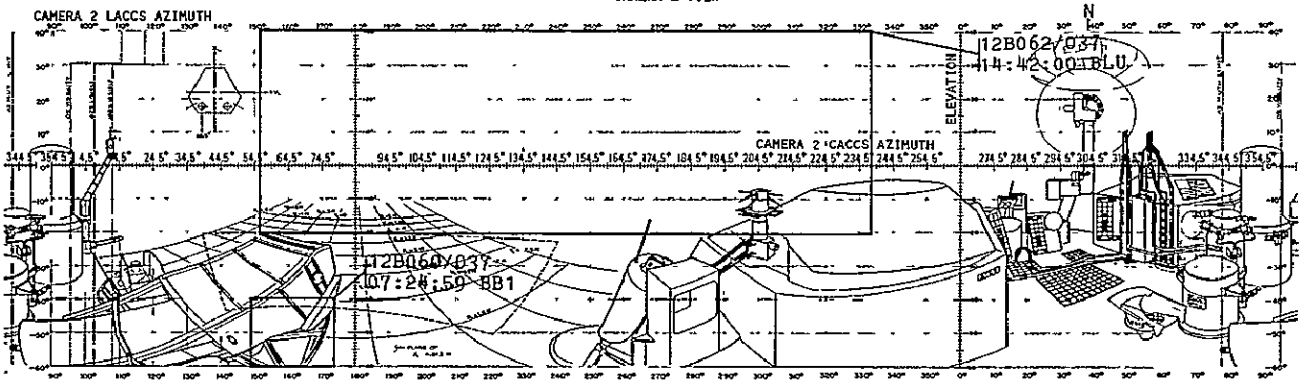
CAMERA 2 VIEW

VL-1

SOL 37

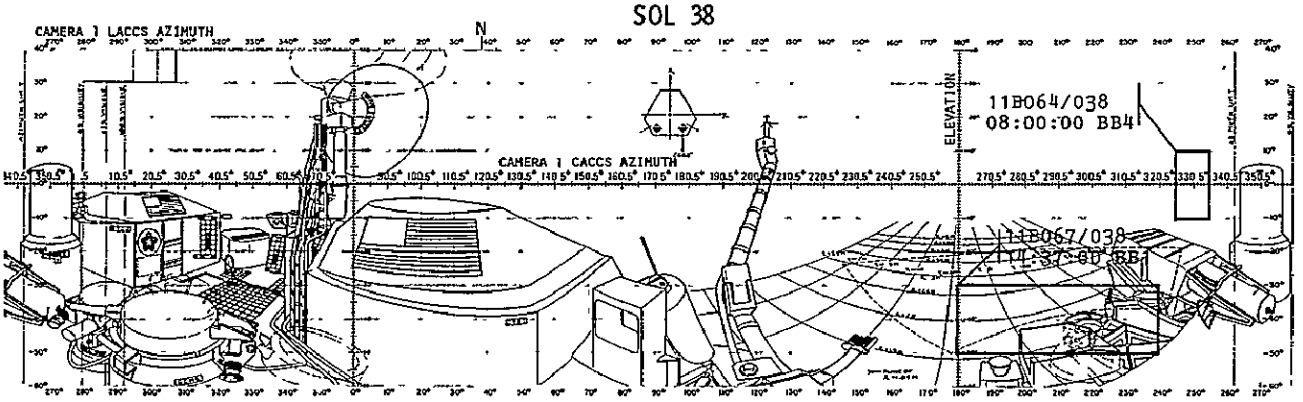


CAMERA 1 VIEW

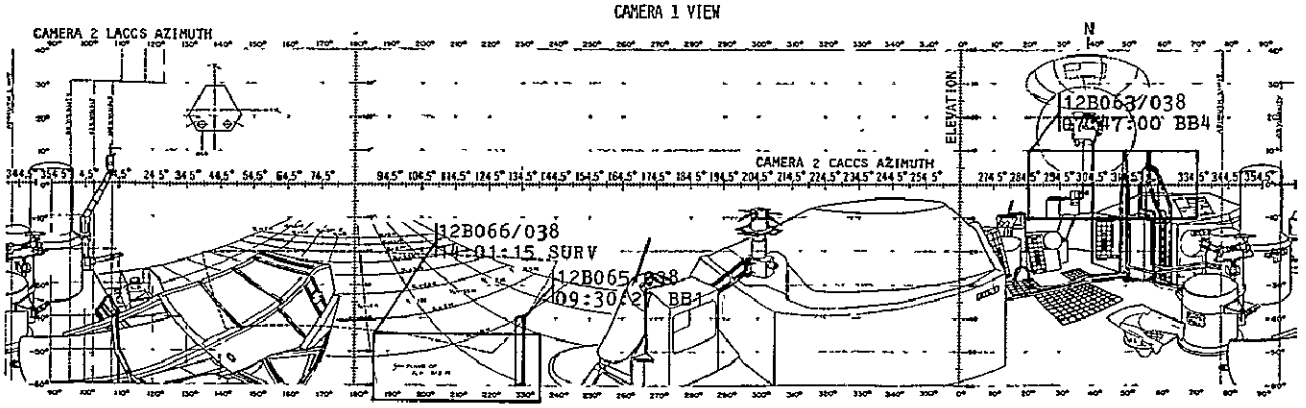


CAMERA 2 VIEW

SOL 38



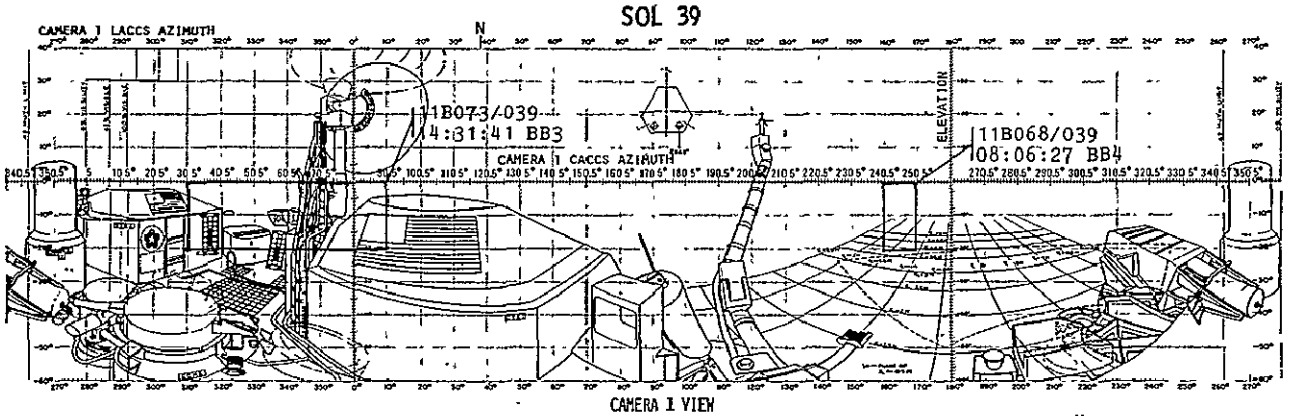
CAMERA 1 VIEW



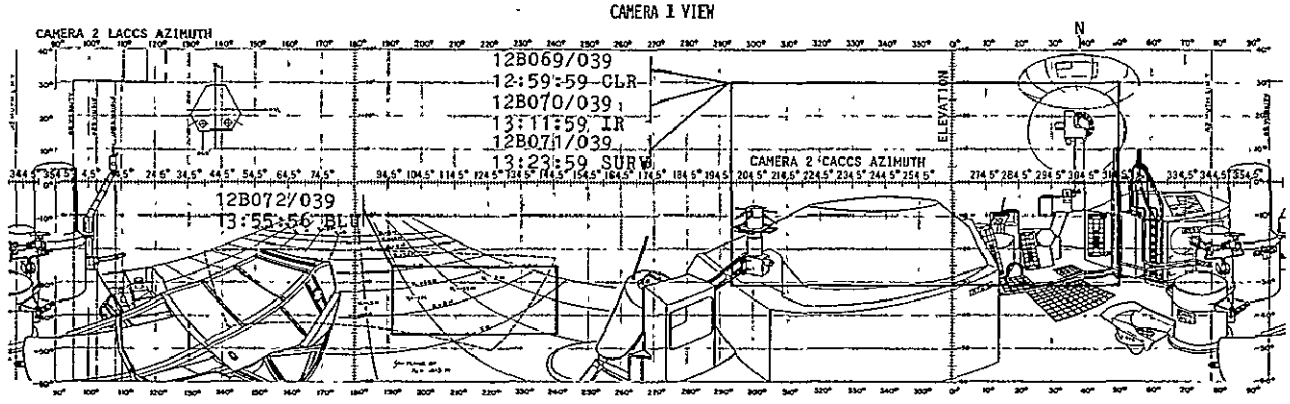
CAMERA 2 VIEW

VL-1

SOL 39

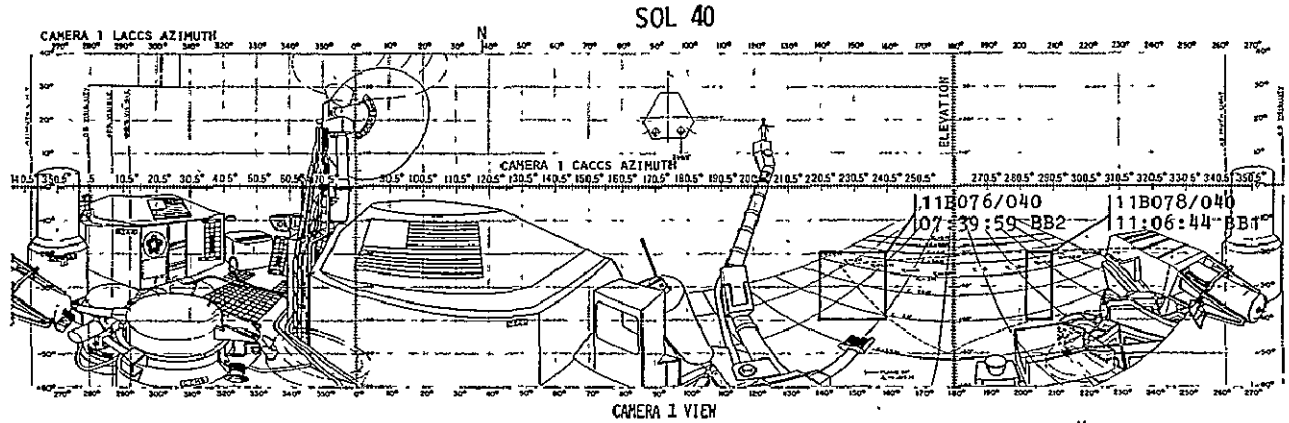


CAMERA 1 VIEW

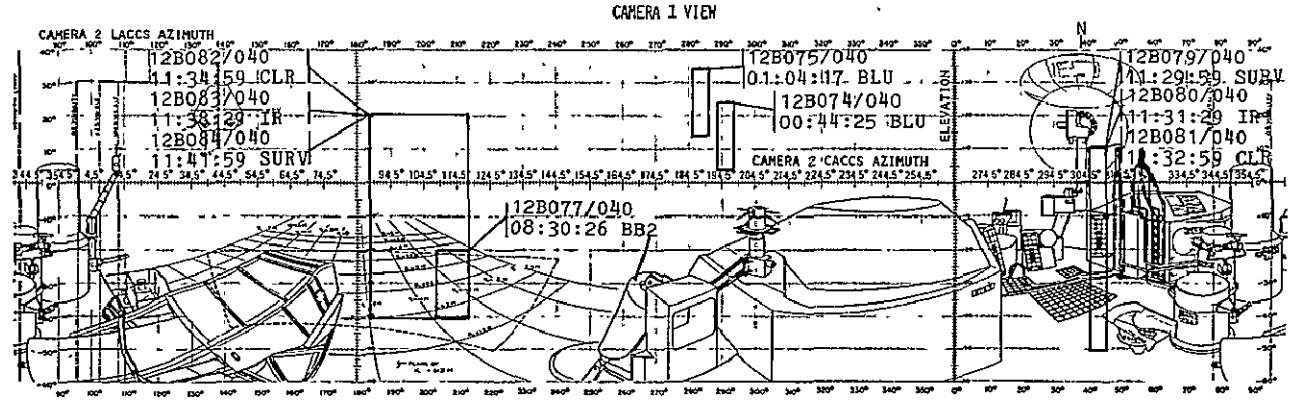


CAMERA 2 VIEW

SOL 40



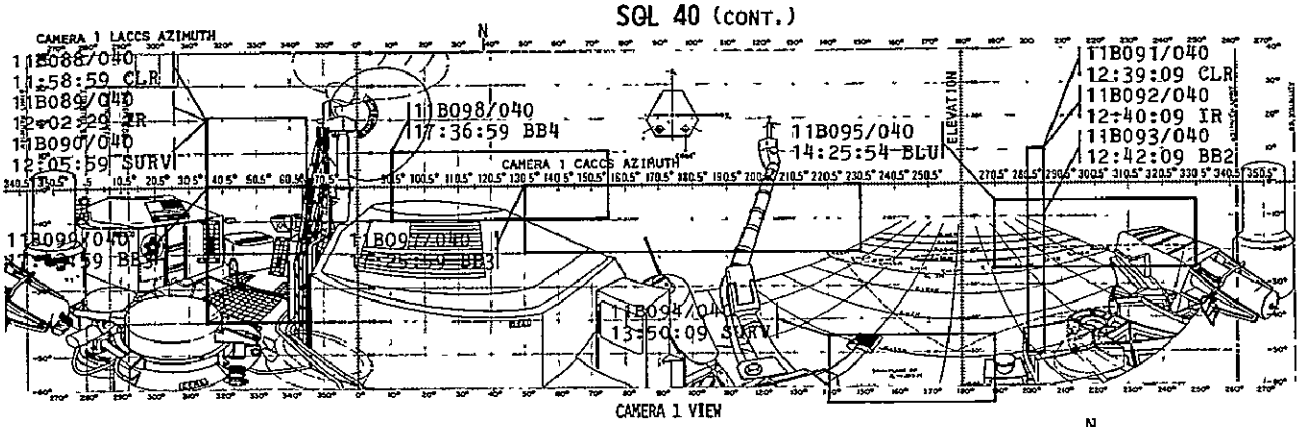
CAMERA 1 VIEW



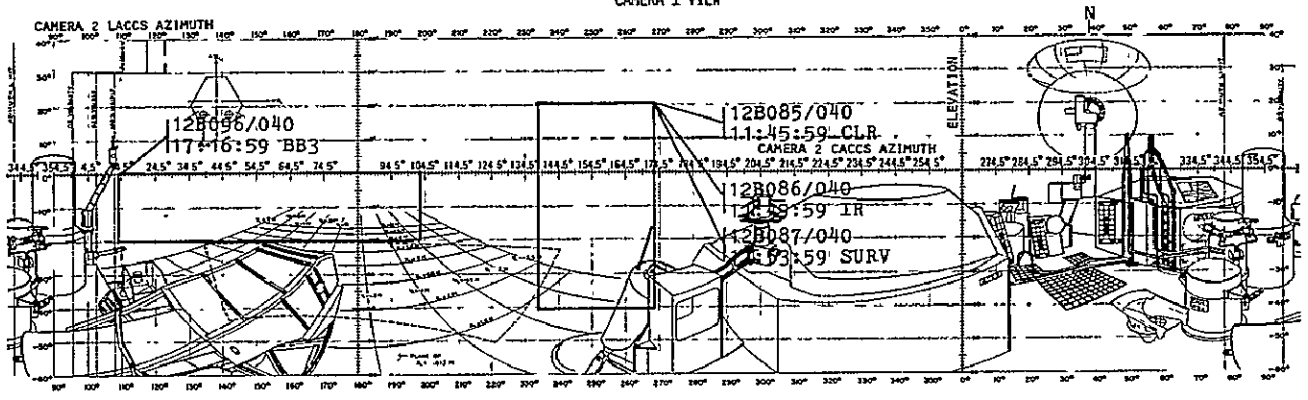
CAMERA 2 VIEW

VL-1

SOL 40 (CONT.)

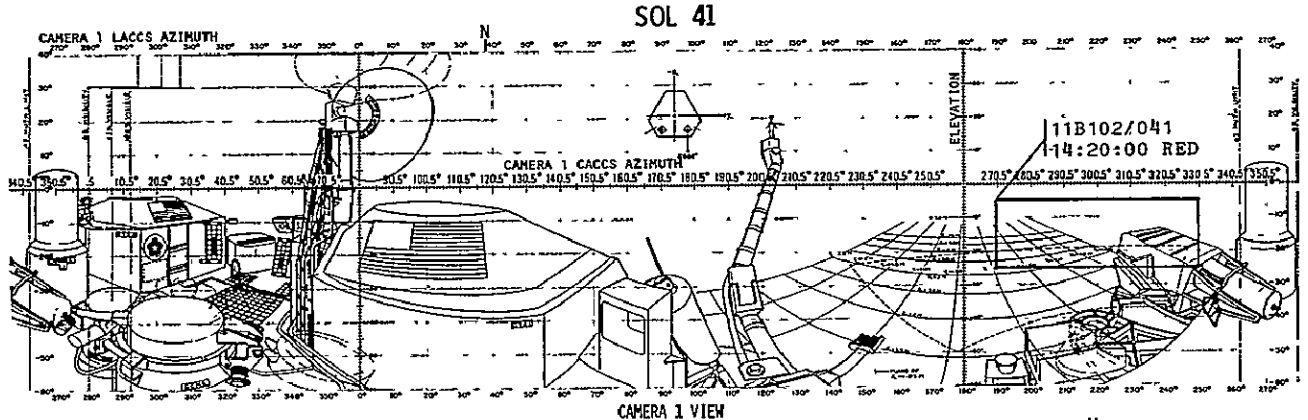


CAMERA 1 VIEW

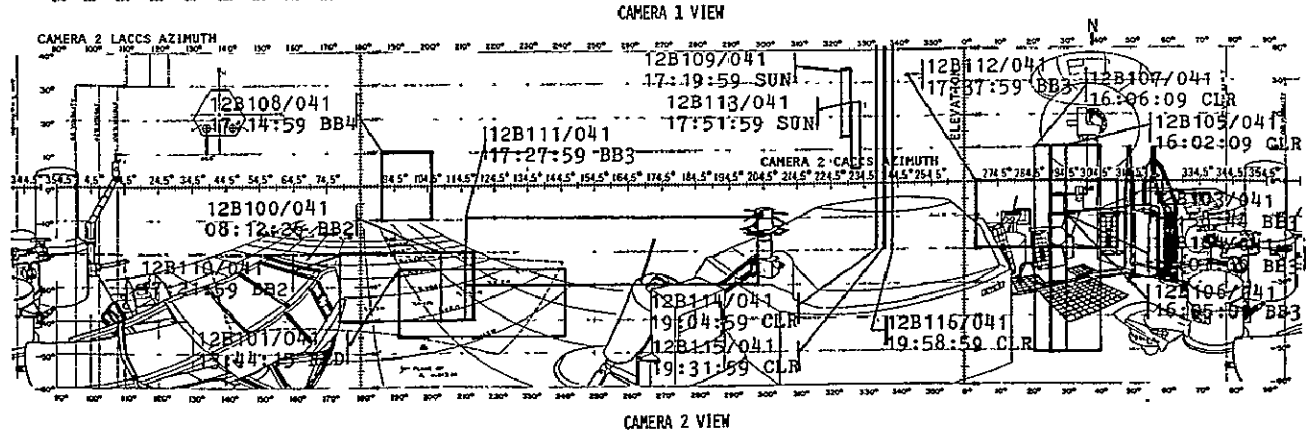


CAMERA 2 VIEW

SOL 41



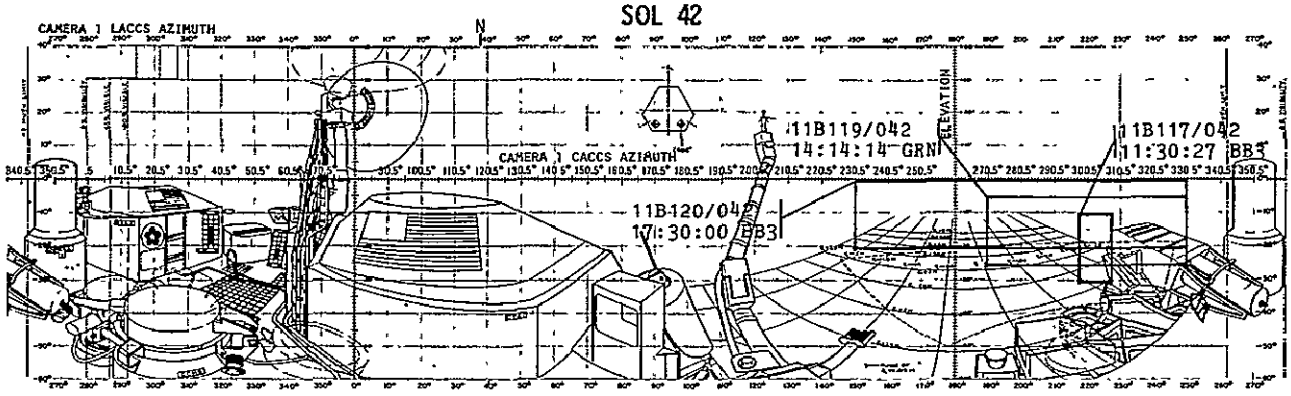
CAMERA 1 VIEW



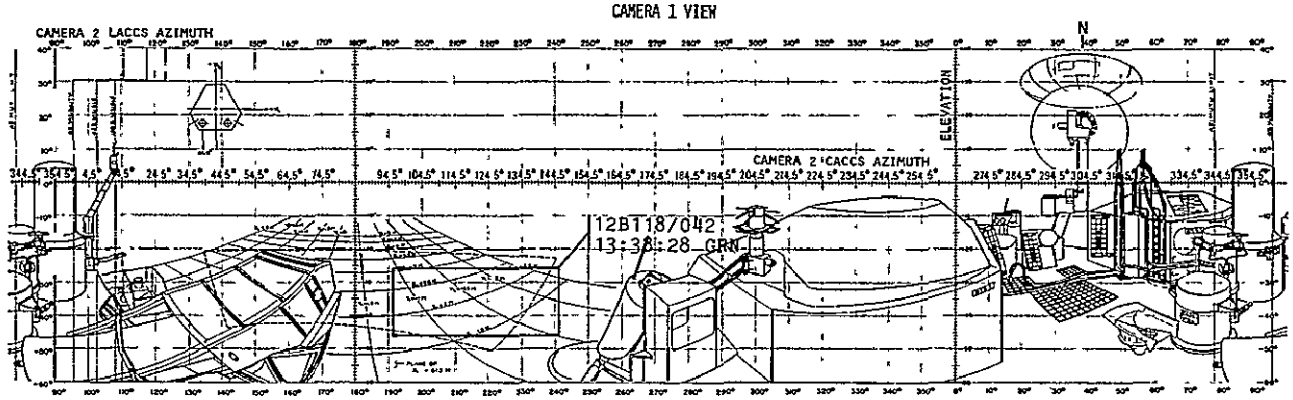
CAMERA 2 VIEW

VL-1

SOL 42

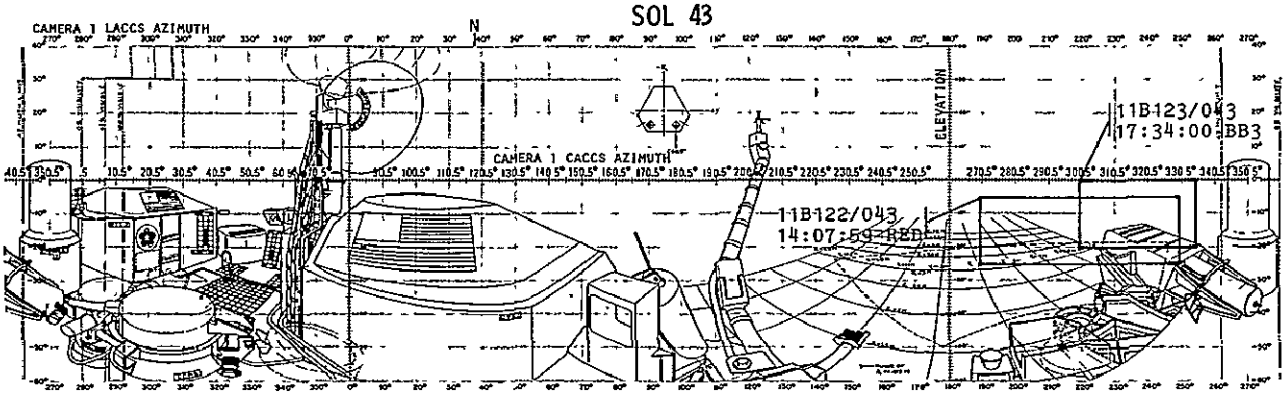


CAMERA 1 VIEW

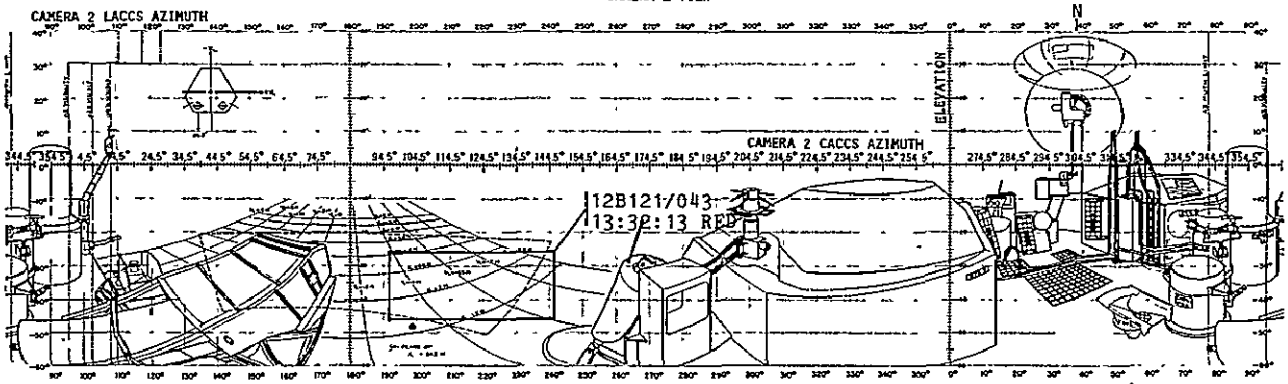


CAMERA 2 VIEW

SOL 43



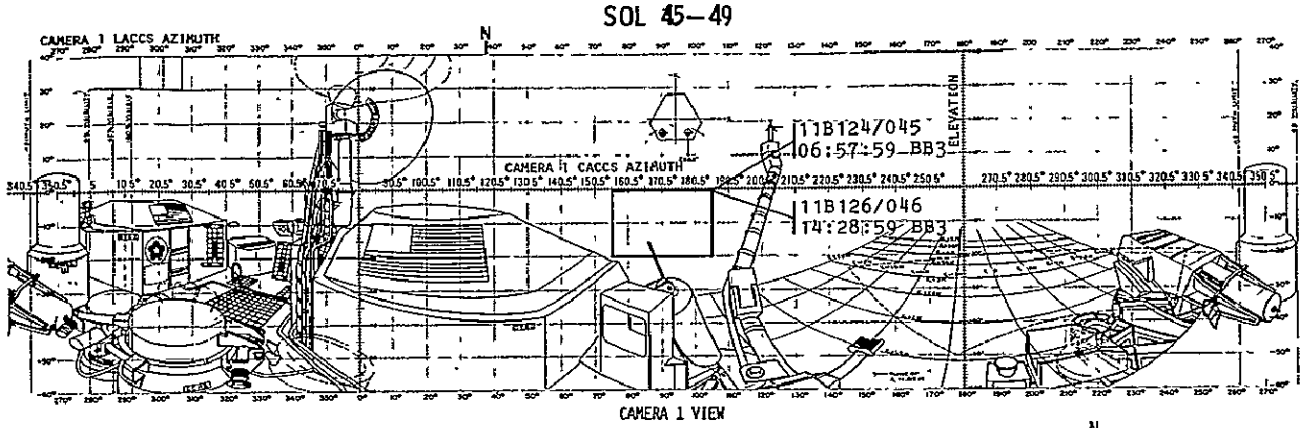
CAMERA 1 VIEW



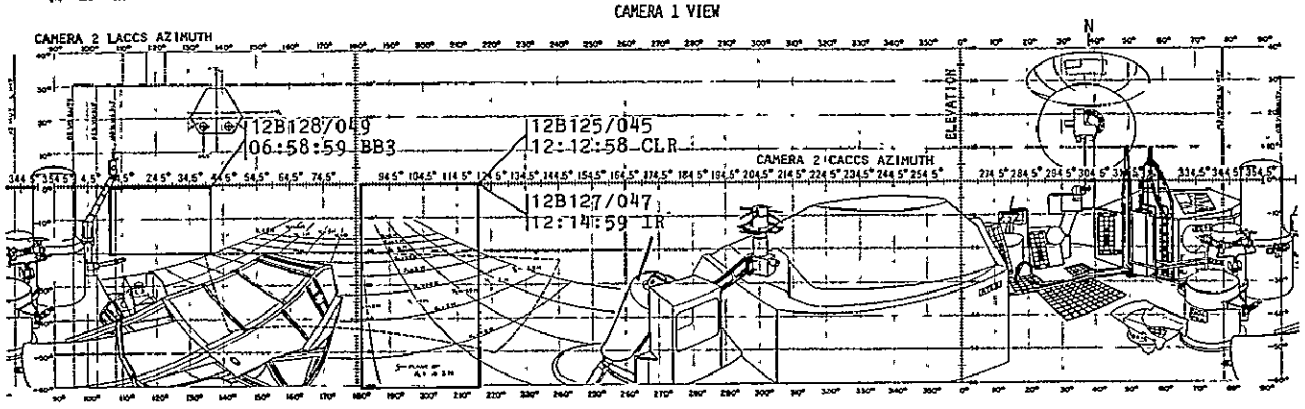
CAMERA 2 VIEW

VL-1

SOL 45–49

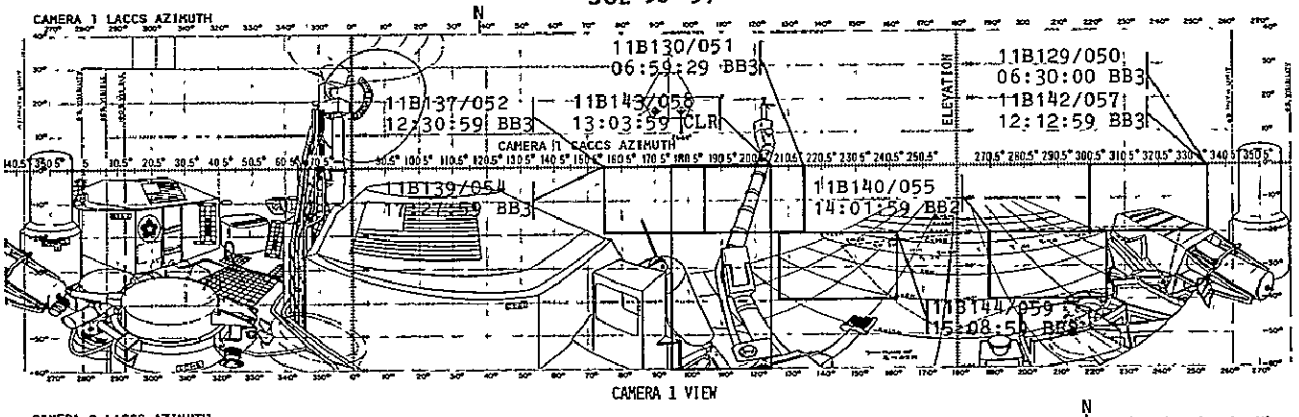


CAMERA 1 VIEW

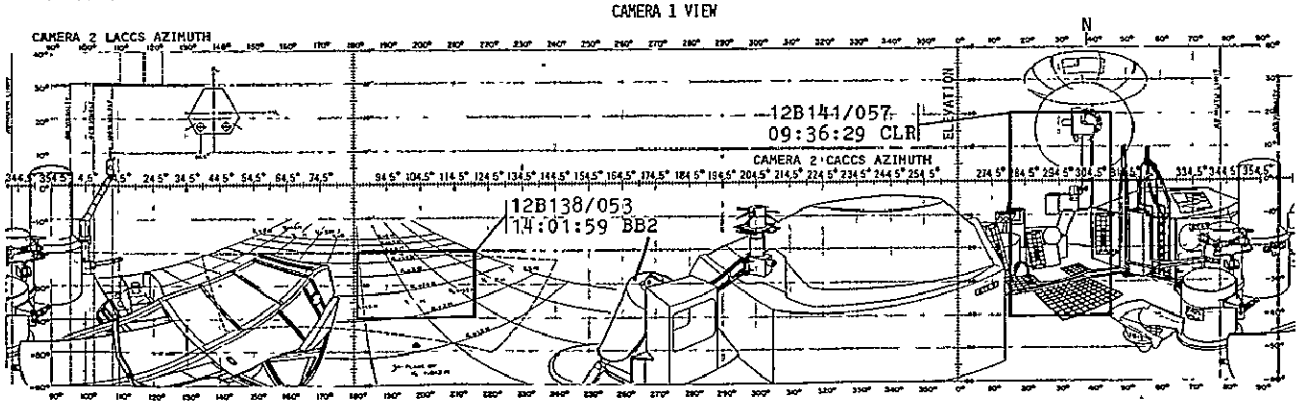


CAMERA 2 VIEW

SOL 50–59



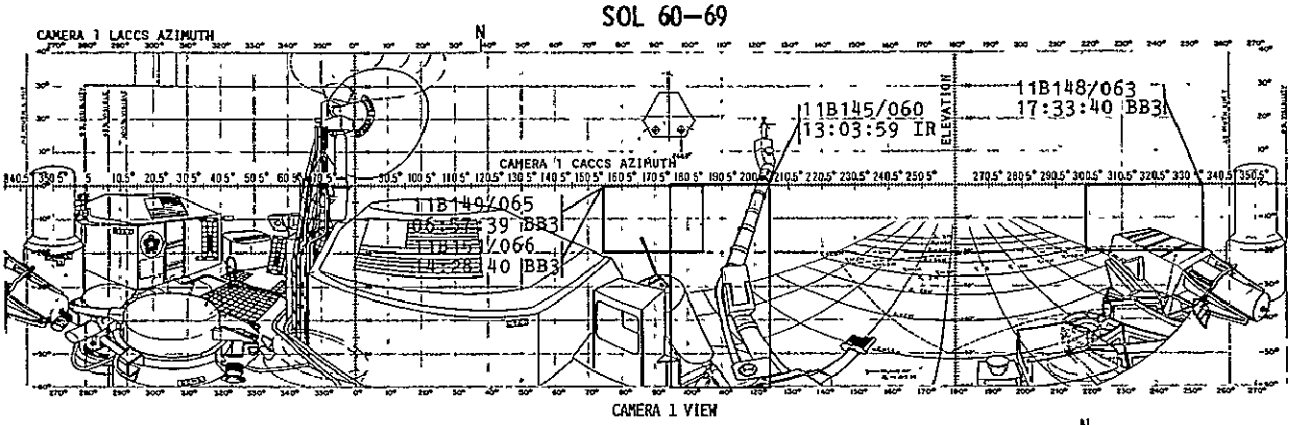
CAMERA 1 VIEW



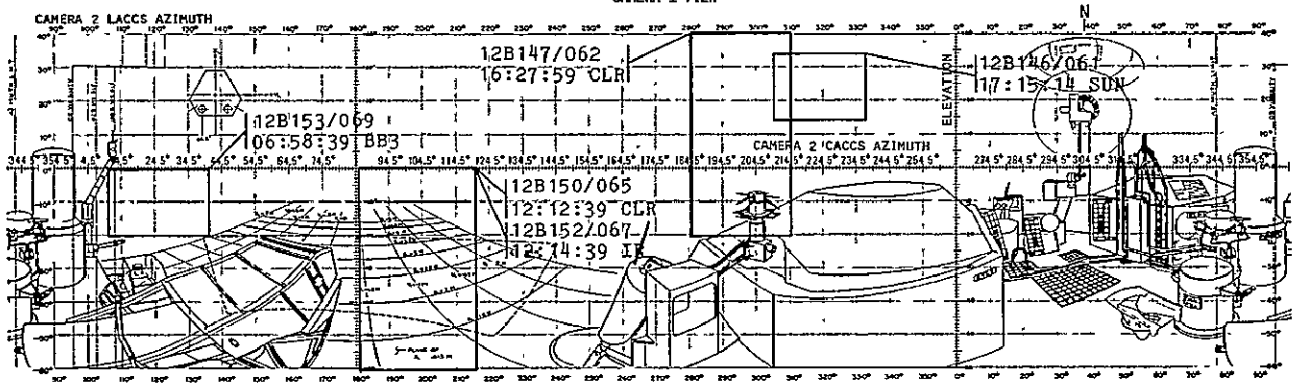
CAMERA 2 VIEW

VL-1

SOL 60–69

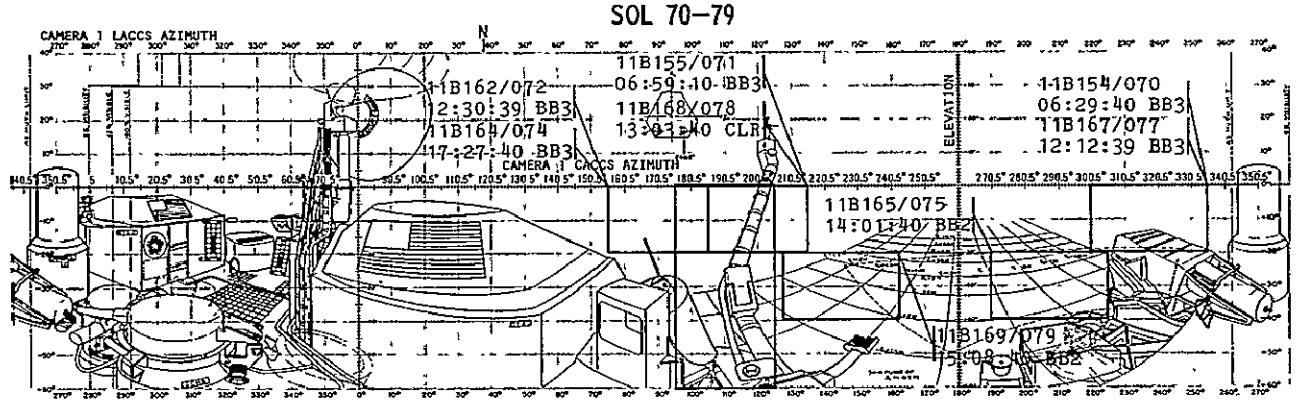


CAMERA 1 VIEW

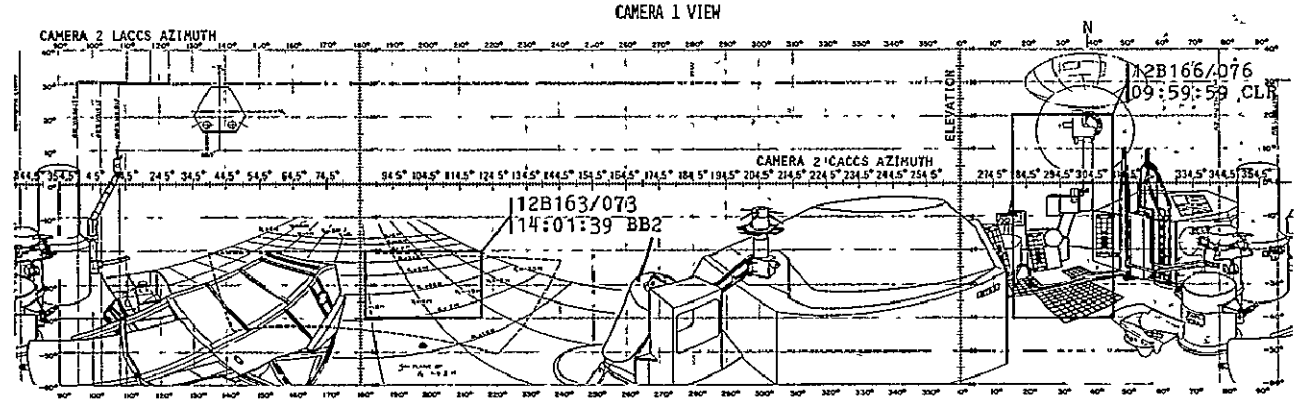


CAMERA 2 VIEW

SOL 70–79



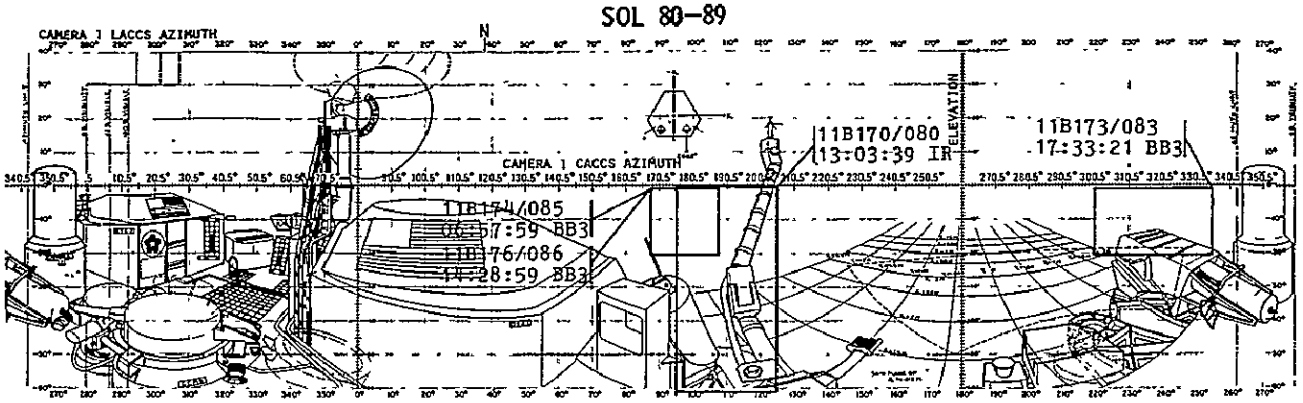
CAMERA 1 VIEW



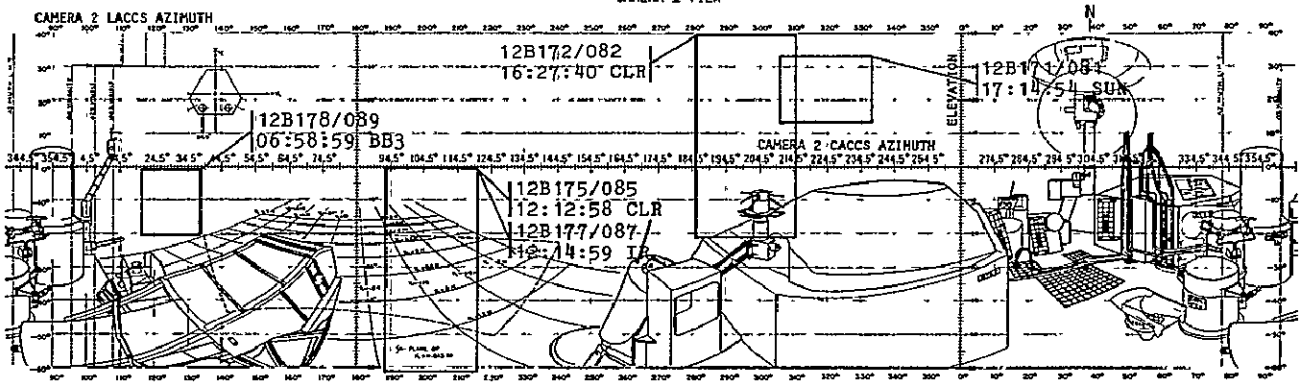
CAMERA 2 VIEW

VL-1

SOL 80–89

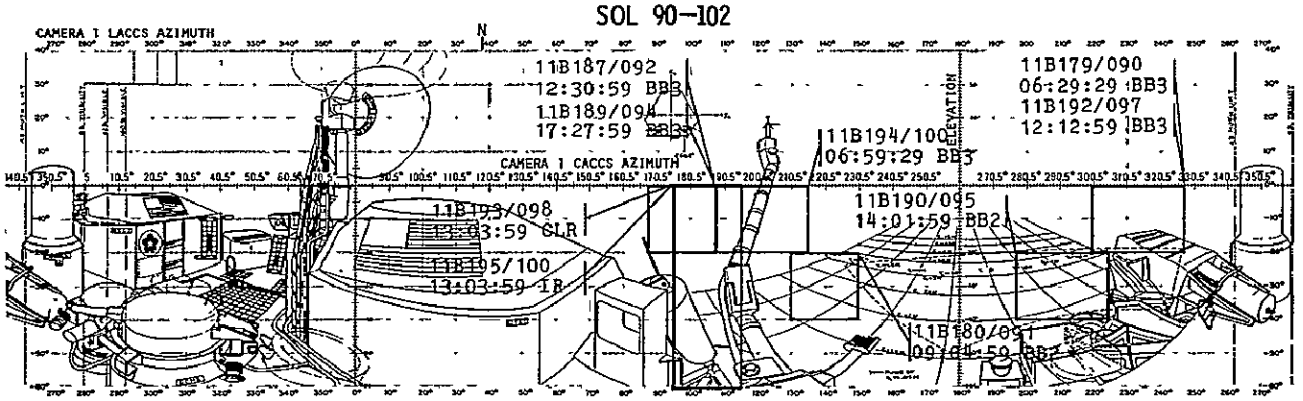


CAMERA 1 VIEW

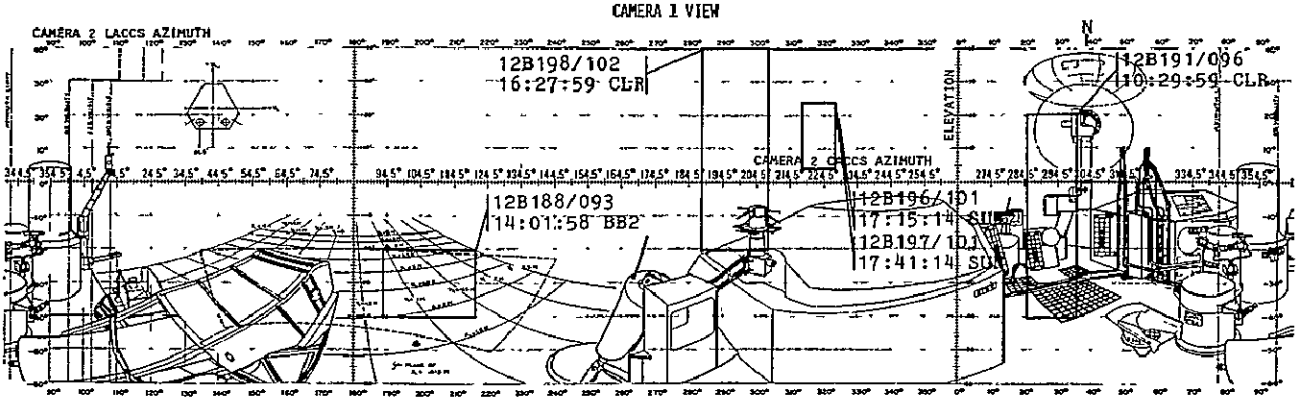


CAMERA 2 VIEW

SOL 90–102



CAMERA 1 VIEW



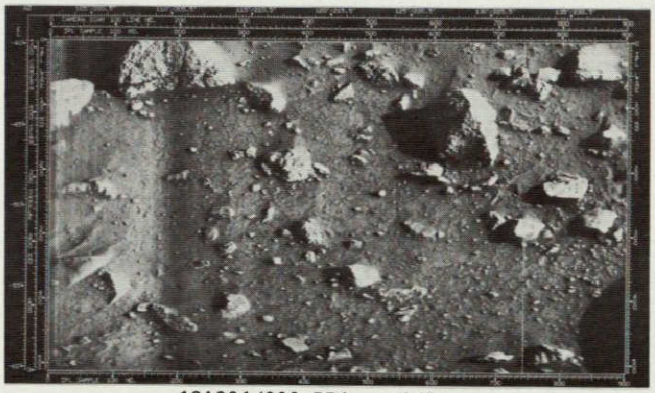
CAMERA 2 VIEW

VL-1 EDR IMAGES

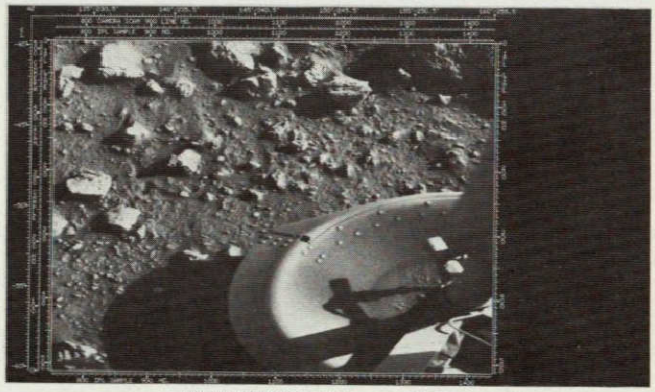
VL-1 EDR IMAGES

This section contains the experiment data record images for VL-1. The format for these image displays is described in the section "Viking Lander Experiment Data Record Images for Primary Mission."

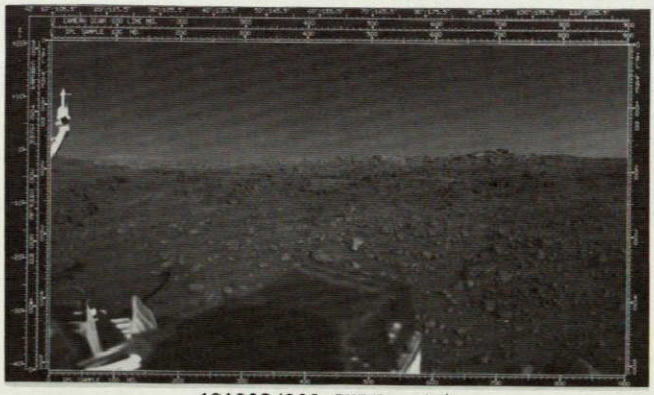
12A001/000–12A002/000



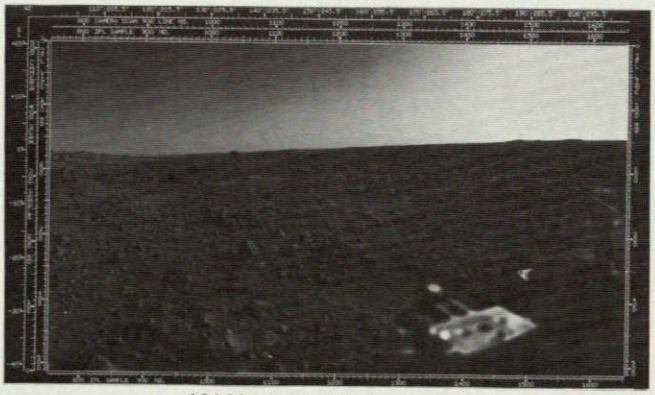
12A001/000 BB1 1/2



12A001/000 BB1 2/2



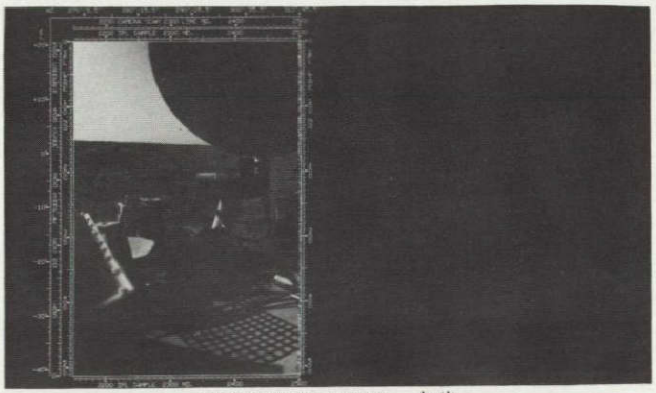
12A002/000 SURV 1/4



12A002/000 SURV 2/4

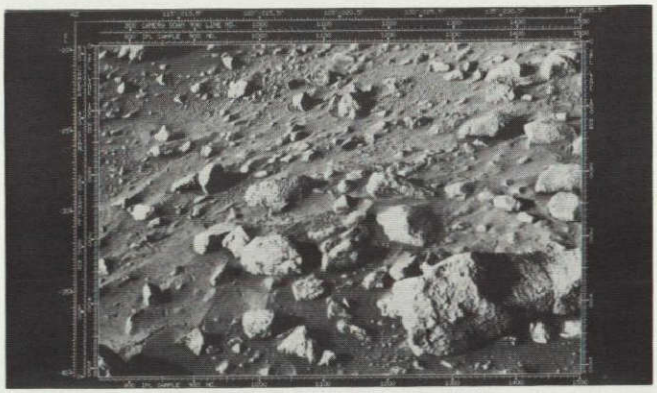
VL-1

12A002/000 SURV 3/4

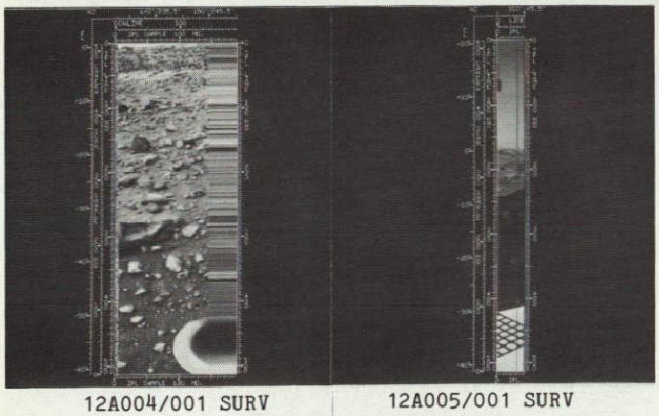


12A002/000 SURV 4/4

12A003/001 BB2 1/2

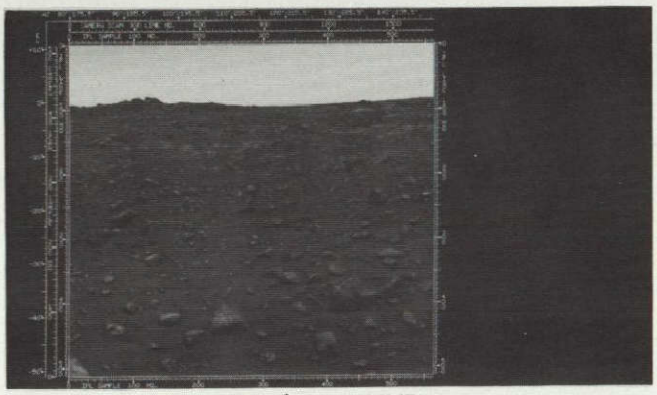


12A003/001 BB2 2/2

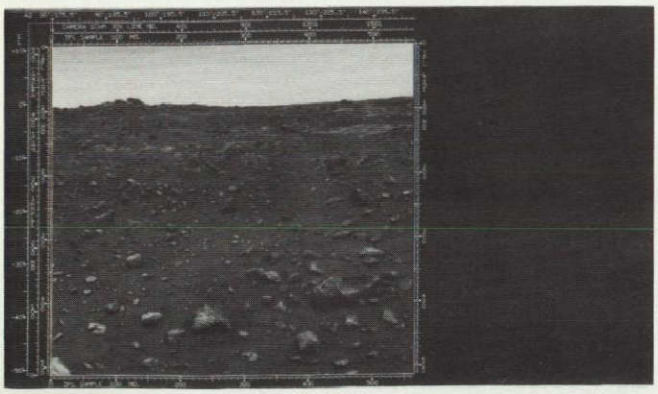


12A004/001 SURV

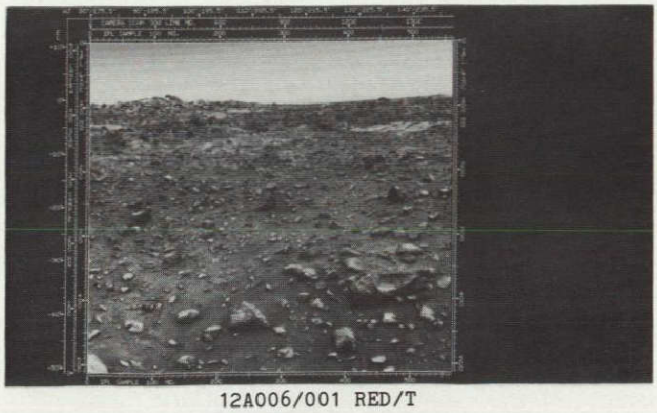
12A005/001 SURV



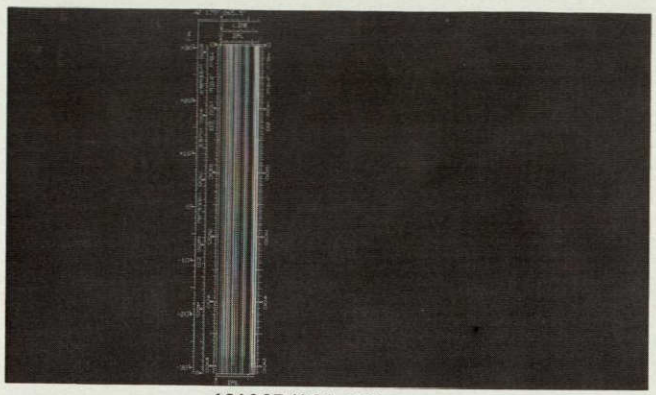
12A006/001 BLU/T



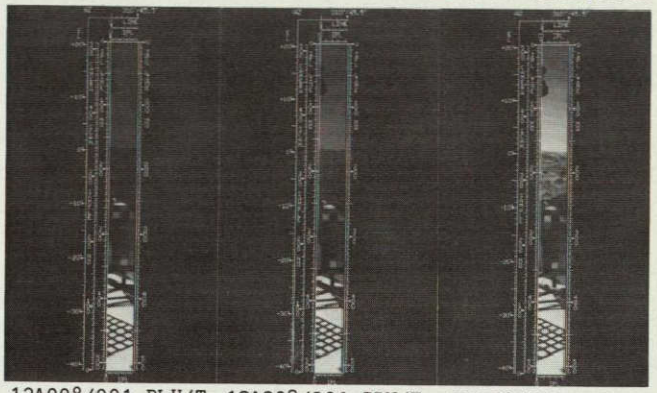
12A006/001 GRN/T



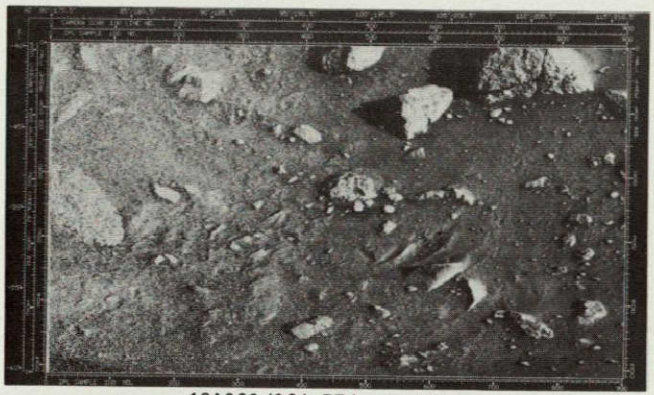
12A006/001 RED/T



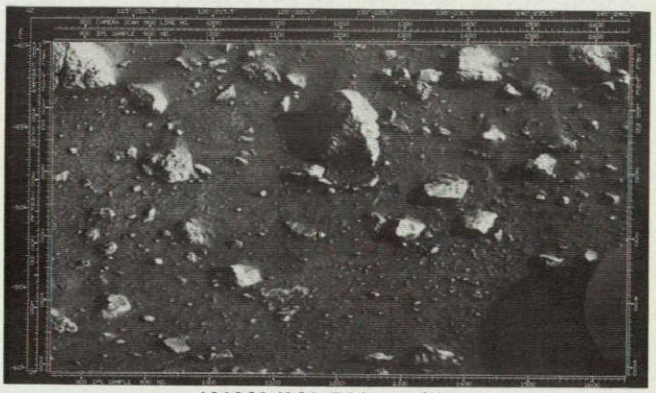
12A007/001 CAL



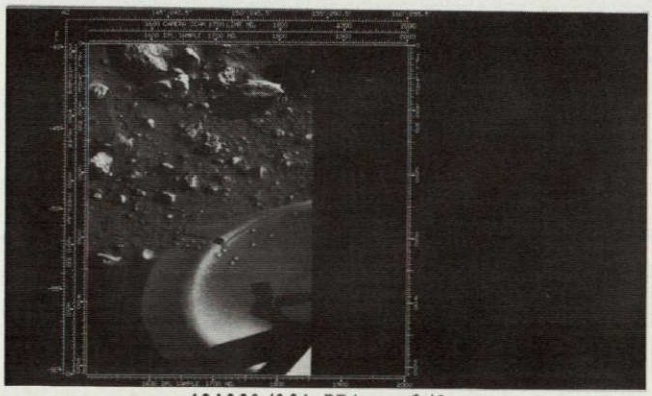
12A008/001 BLU/T 12A008/001 GRN/T 12A008/001 RED/T



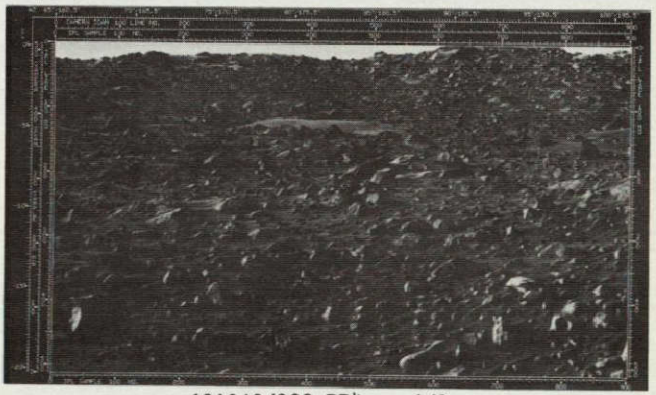
12A009/001 BB1 1/3



12A009/001 BB1 2/3

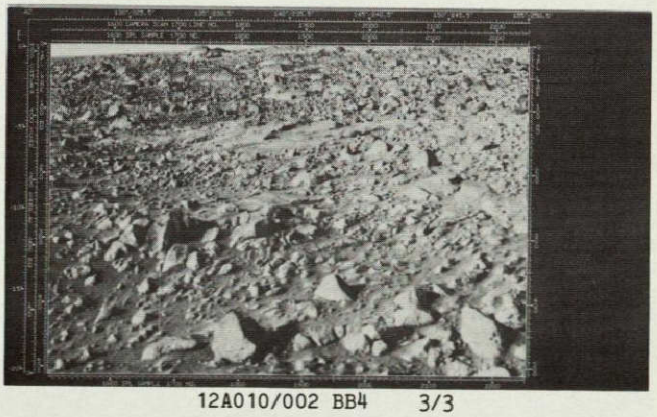


12A009/001 BB1 3/3

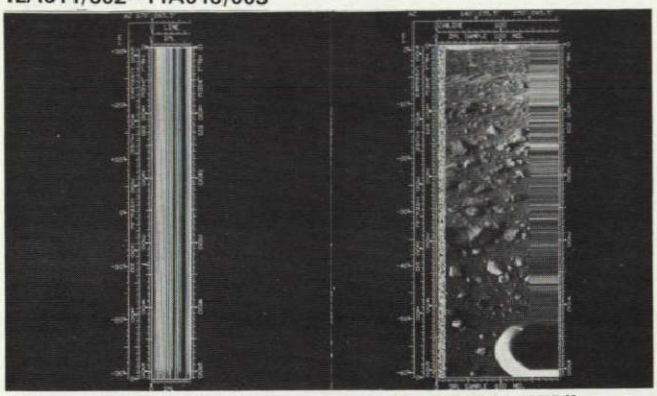


12A010/002 BB4 1/3

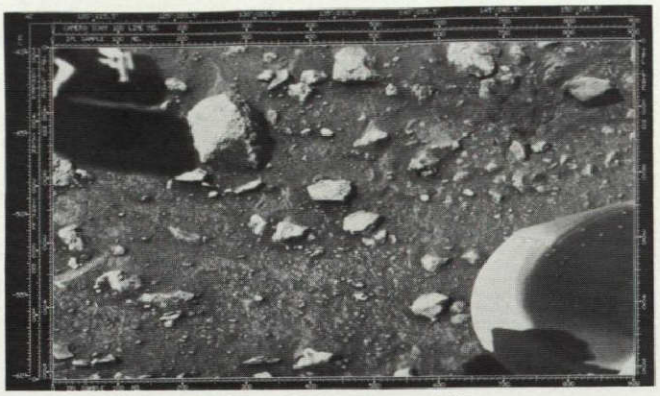
12A010/002 BB4 2/3



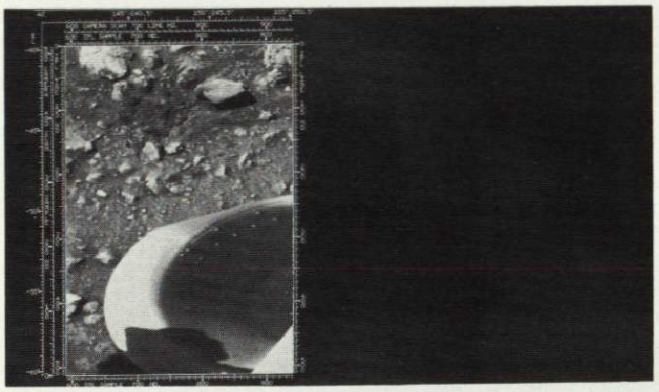
12A010/002 BB4 3/3



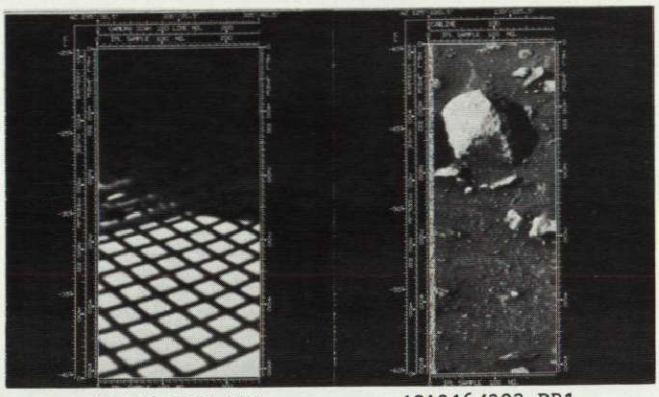
12A011/002 CAL 12A012/002 SURV



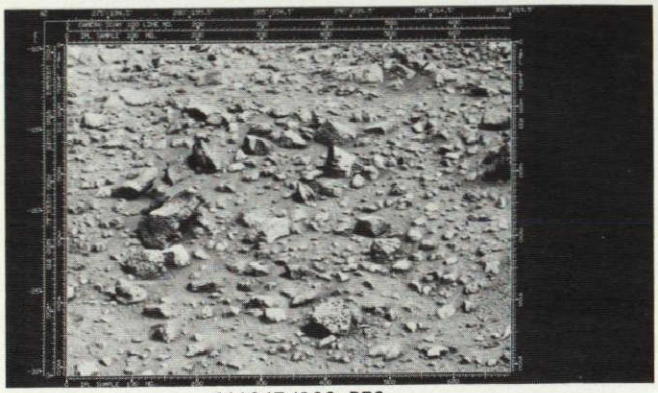
12A013/002 BB1 1/2



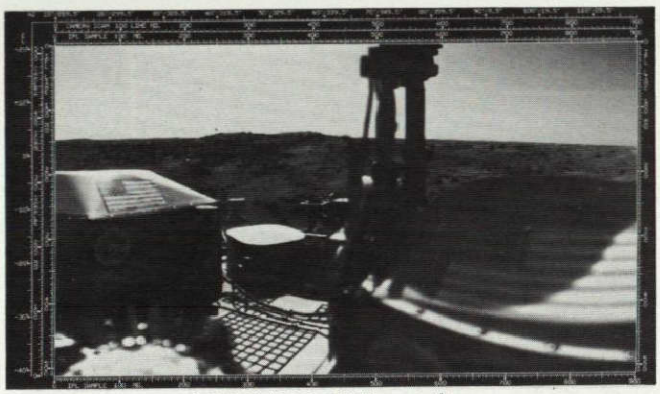
12A013/002 BB1 2/2



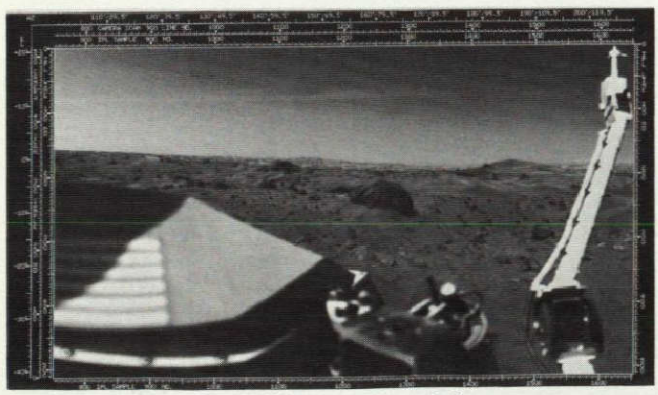
12A014/002 BB1 12A016/003 BB1



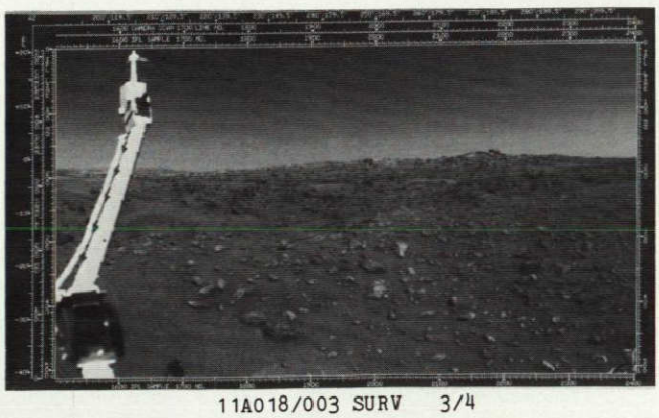
11A017/003 BB3



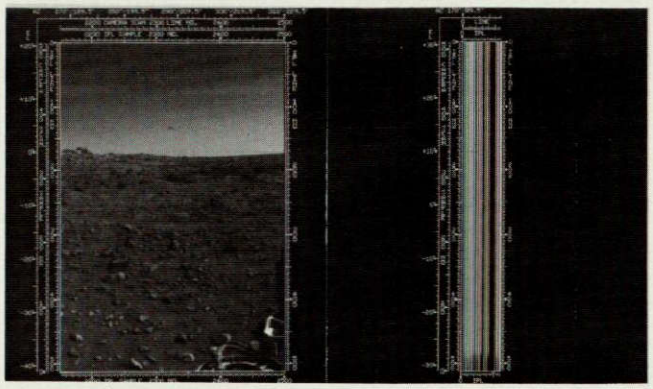
11A018/003 SURV 1/4



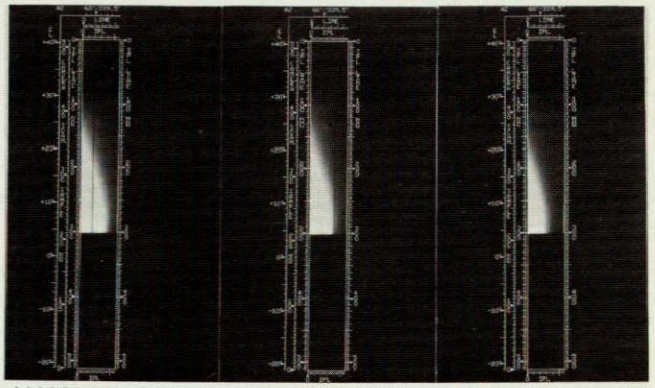
11A018/003 SURV 2/4



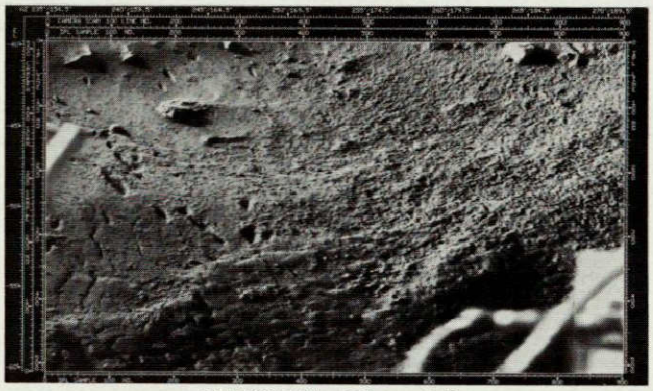
11A018/003 SURV 3/4



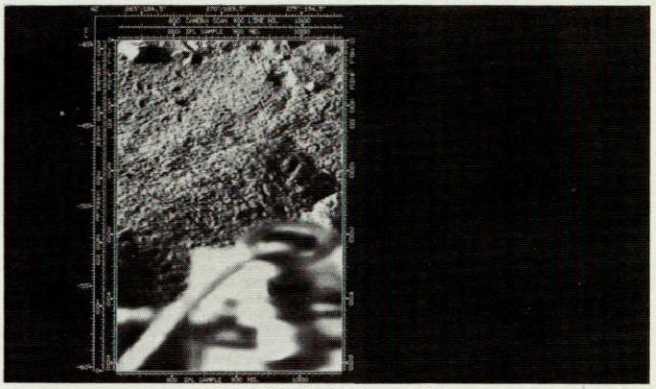
11A018/003 SURV 4/4 11A019/003 CAL



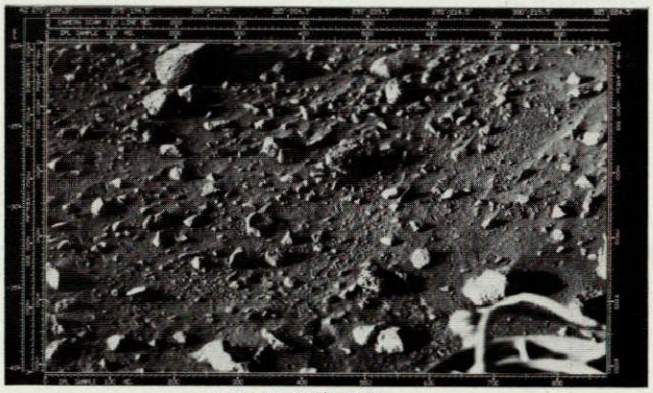
11A021/003 BLU/T 11A021/003 GRN/T 11A021/003 RED/T



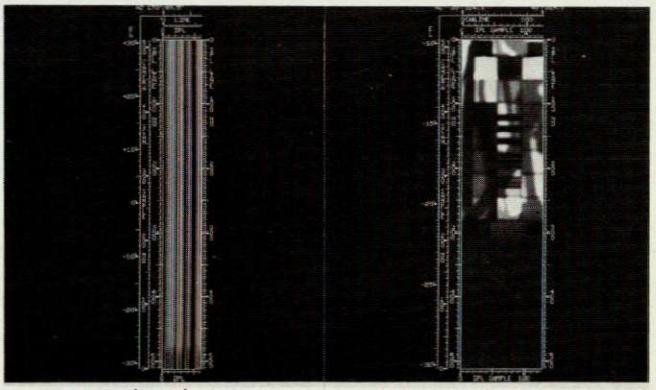
11A022/004 BB1 1/2



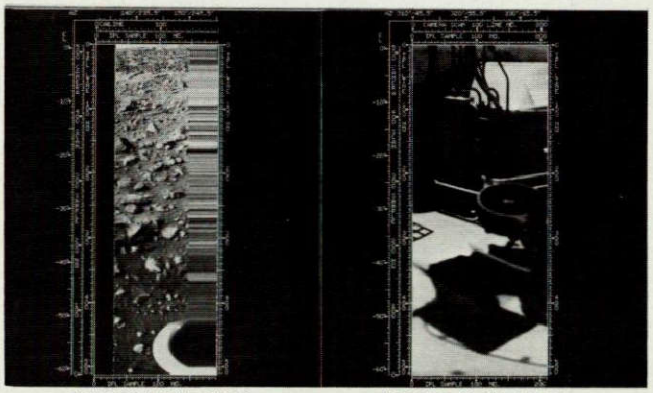
11A022/004 BB1 2/2



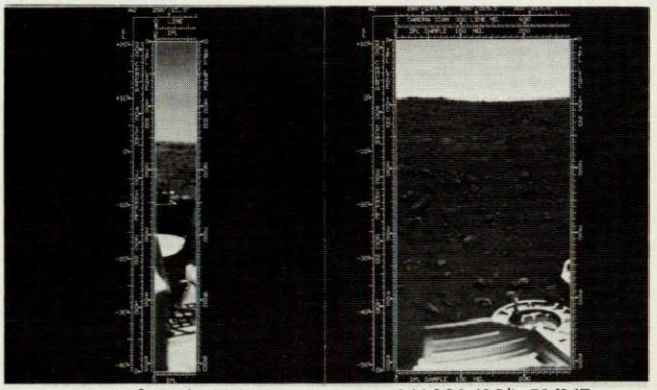
11A023/004 BB2



11A024/004 CAL 11A025/004 BB1

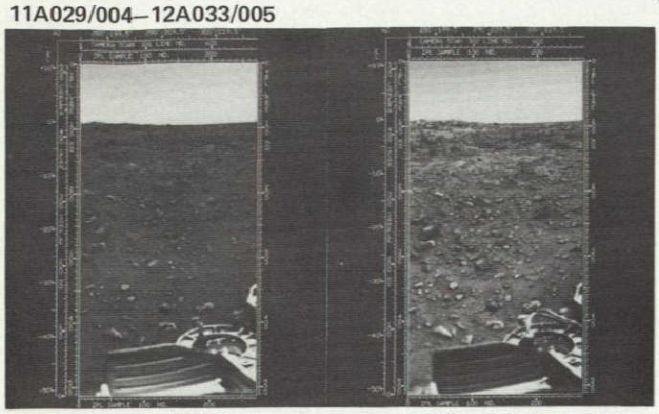


12A026/004 SURV 12A027/004 SURV

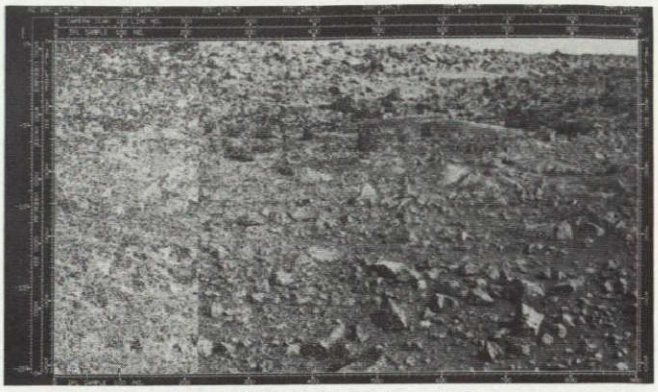


12A028/004 SURV 11A029/004 BLU/T

VL-1

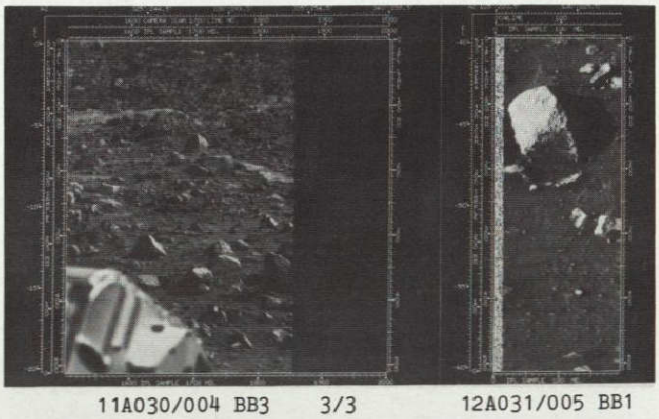


11A029/004 GRN/T 11A029/004 RED/T



11A030/004 BB3 1/3

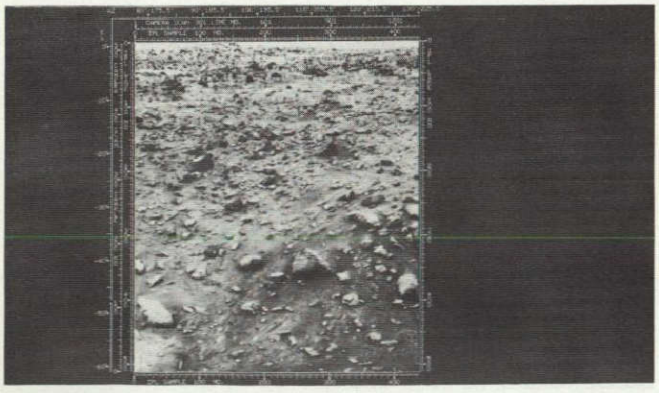
11A030/004 BB3 2/3



11A030/004 BB3 3/3 12A031/005 BB1

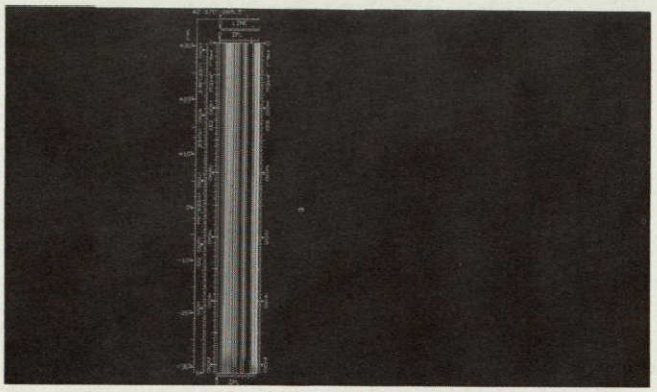
11A032/005 BB1

12A033/005 IR3/T

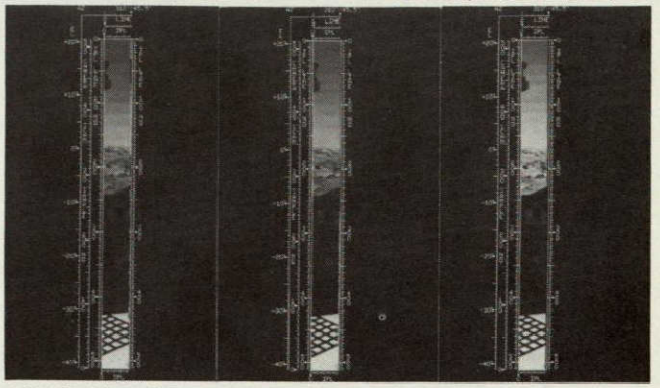


12A033/005 IR2/T

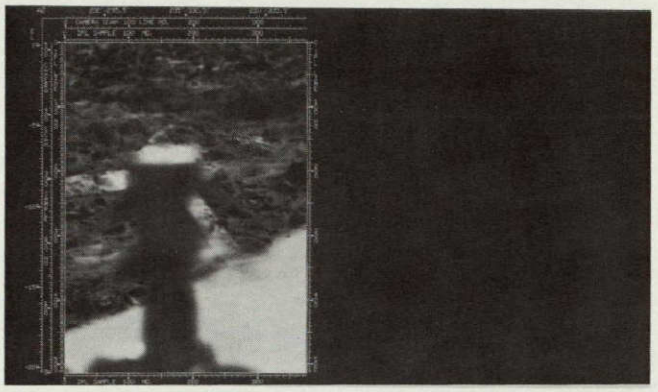
12A033/005 IR1/T



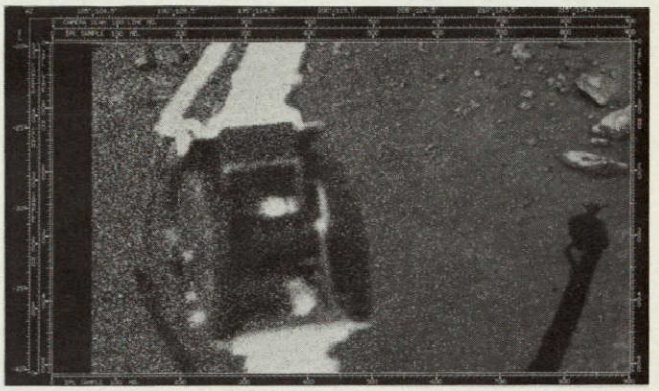
12A034/005 CAL



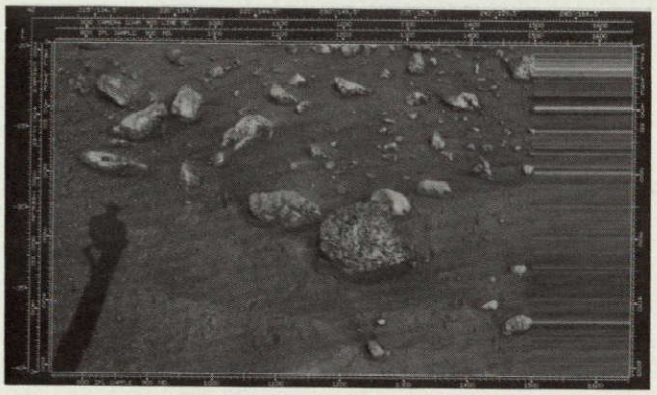
12A035/005 IR3/T 12A035/005 IR2/T 12A035/005 IR1/T



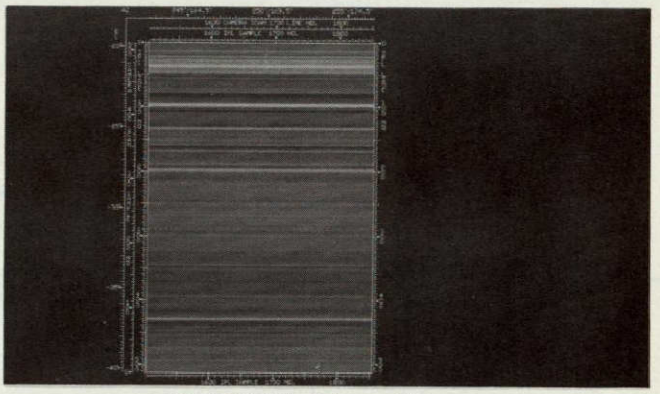
12A036/005 BB1



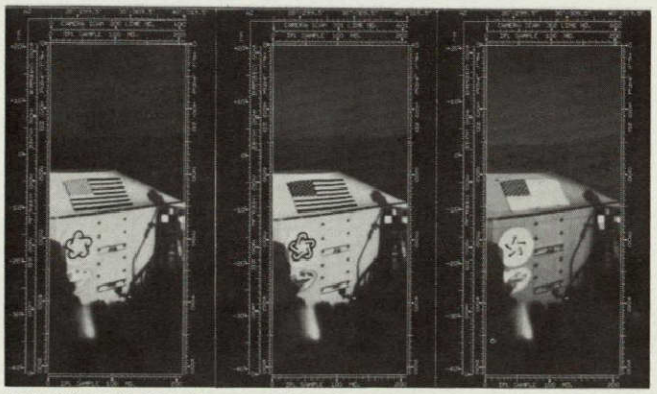
11A037/005 BB2 1/3



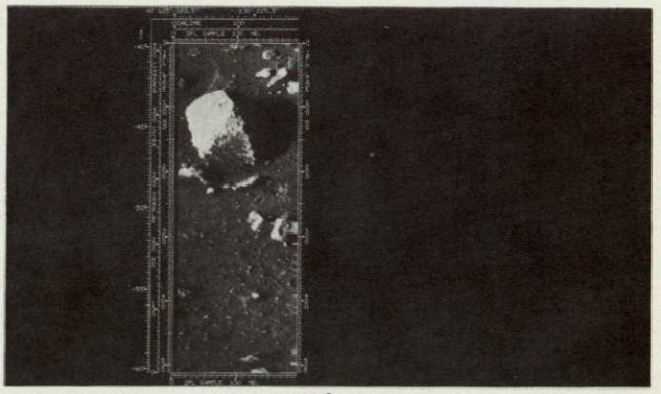
11A037/005 BB2 2/3



11A037/005 BB2 3/3



11A038/006 BLU/T 11A038/006 GRN/T 11A038/006 RED/T



12A039/006 BB1

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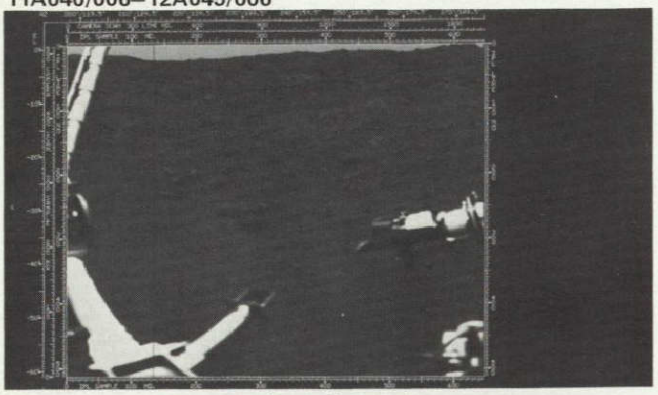
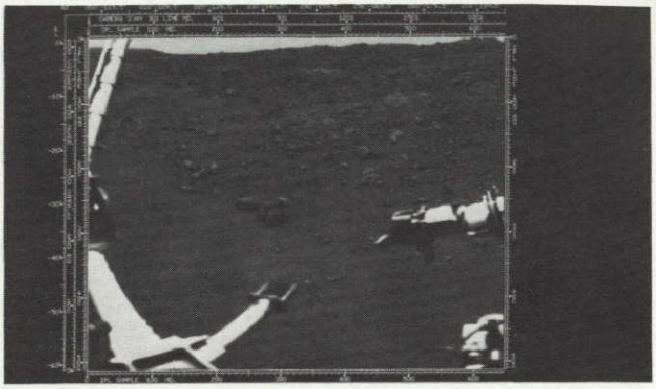
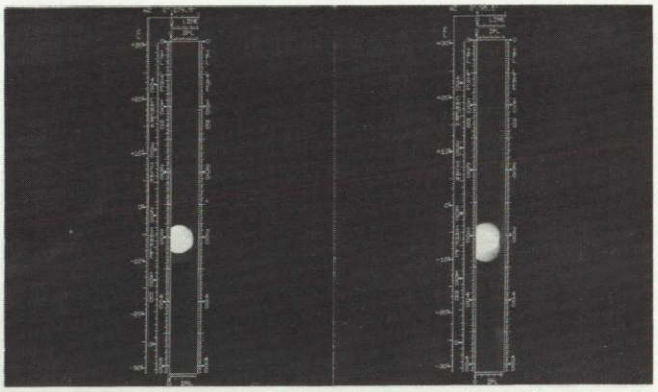


11A040/006 BLU/T



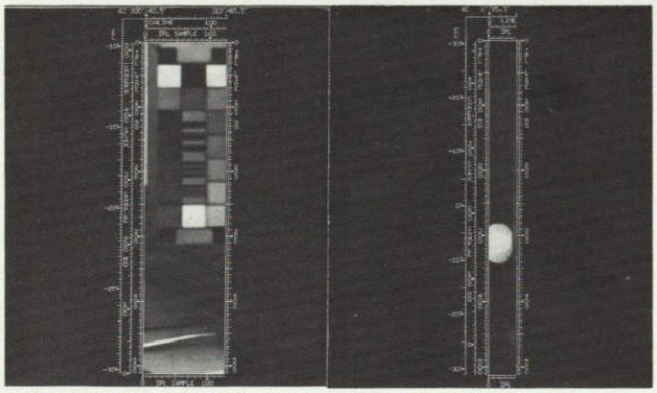
11A040/006 GRN/T

11A040/006 RED/T



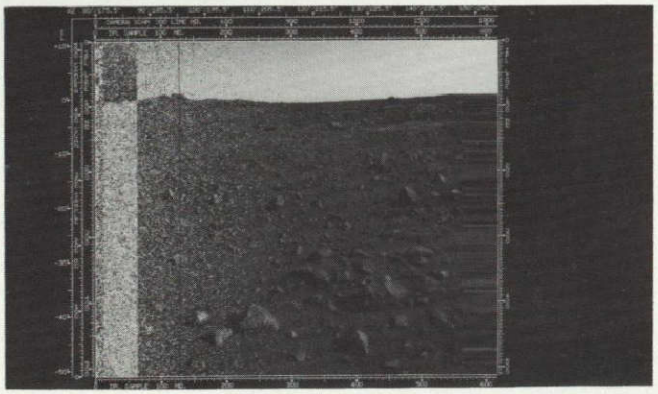
11A041/006 BB1

12A042/006 BB1



12A043/006 BB1

12A044/006 BB1



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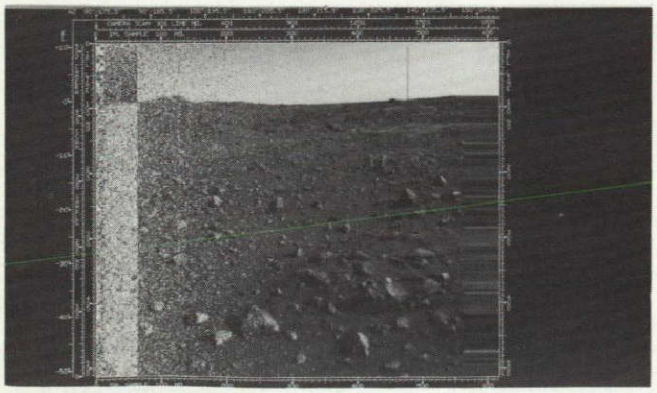

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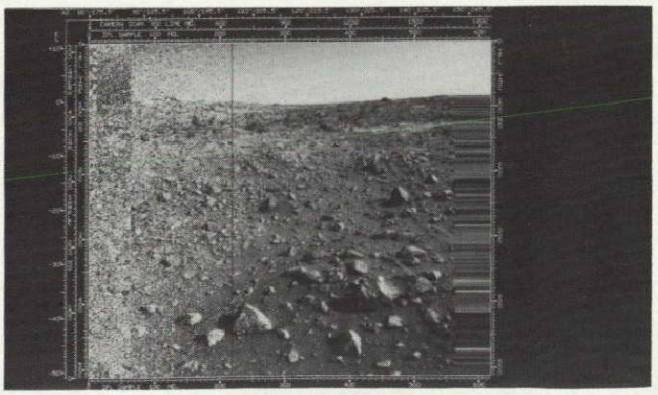

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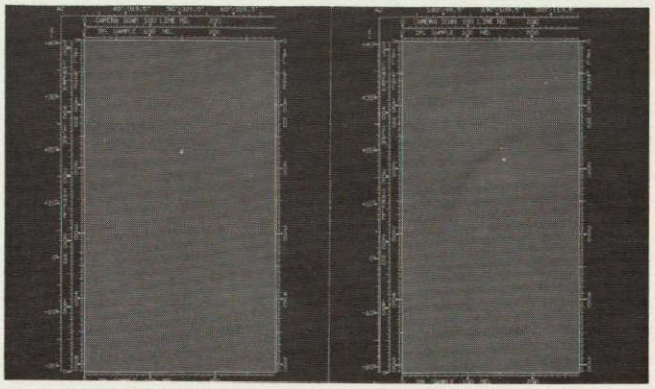
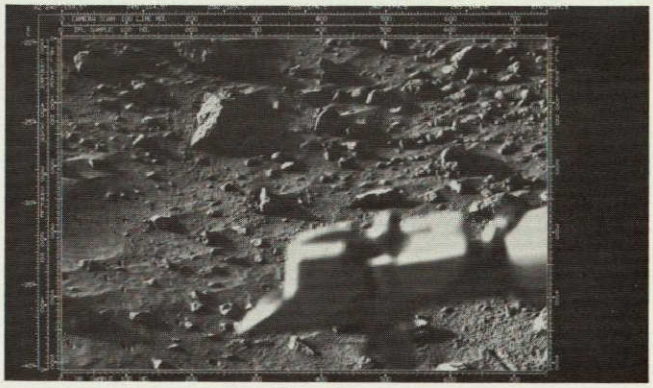
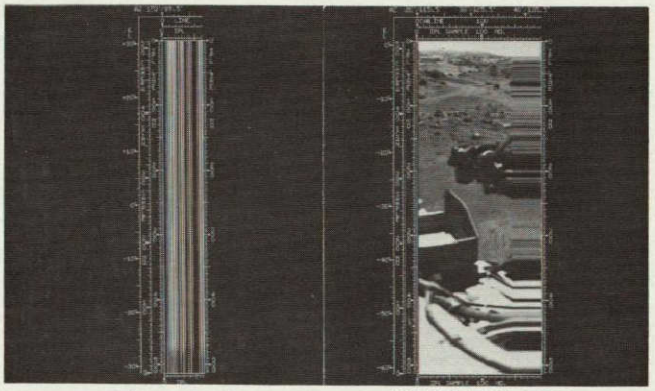


11A046/006 SUN

11A047/007 SUN

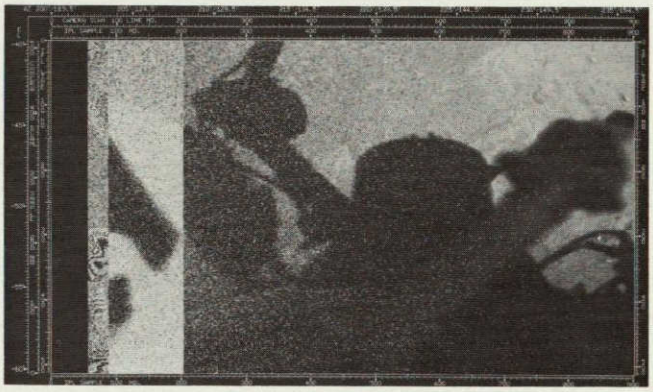


11A048/007 BB2



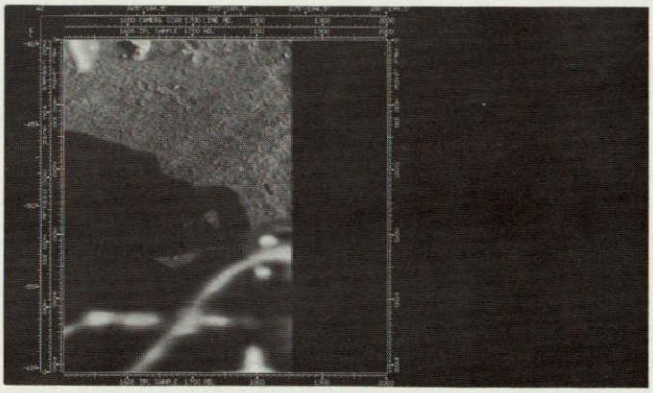
11A049/007 CAL

12A050/007 SURV

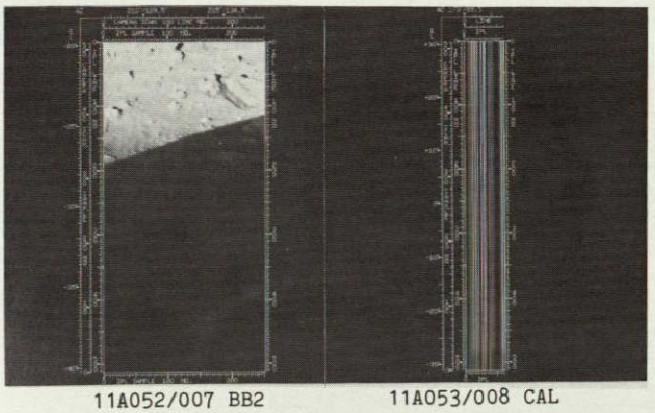


11A051/007 BB1 1/3

11A051/007 BB1 2/3

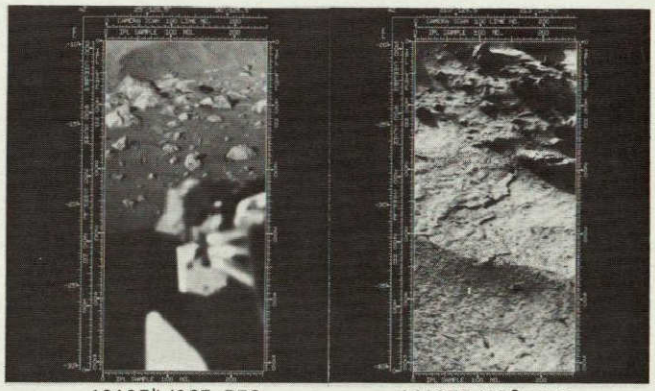


11A051/007 BB1 3/3



11A052/007 BB2

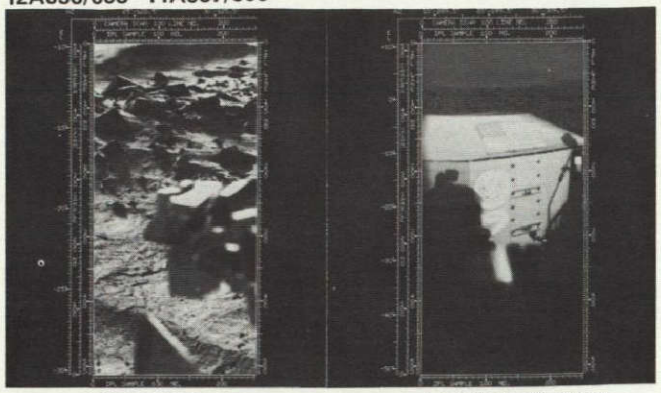
11A053/008 CAL



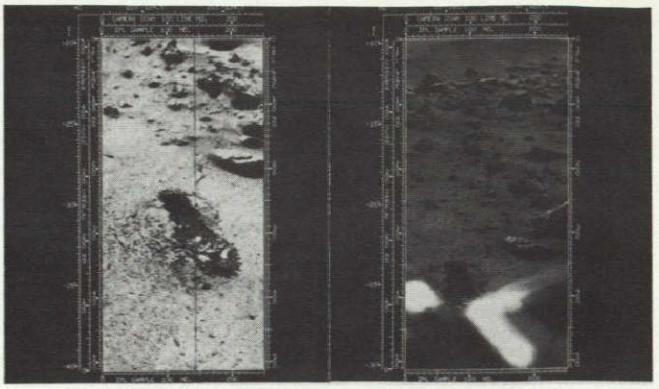
12A054/007 BB3

11A055/008 BB2

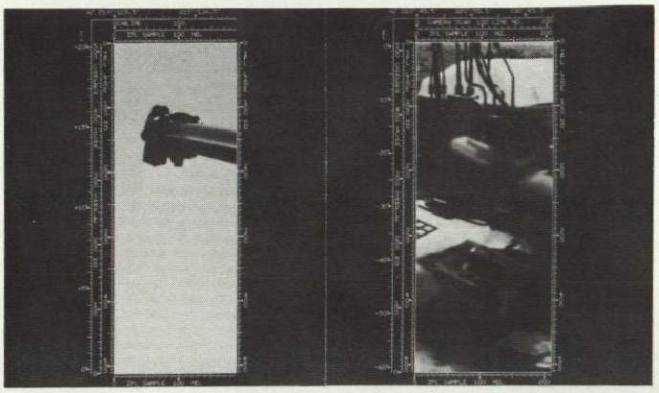
VL-1



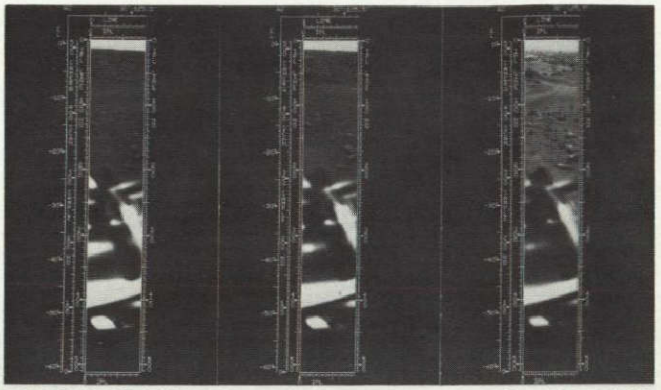
12A056/008 BB3 11A057/008 SURV



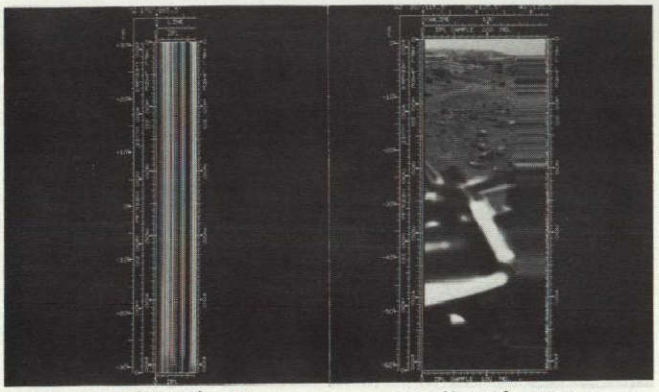
11A058/008 BB2 12A059/008 BB3



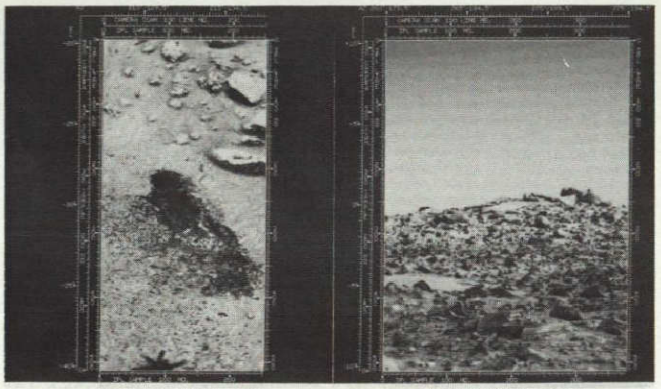
11A060/008 BB2 12A061/008 SURV



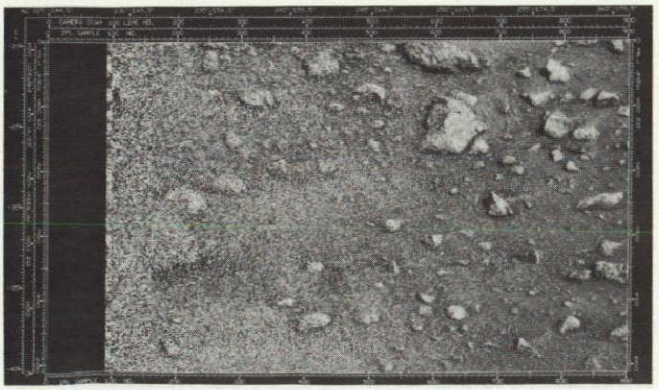
12A062/008 BLU/T 12A062/008 GRN/T 12A062/008 RED/T



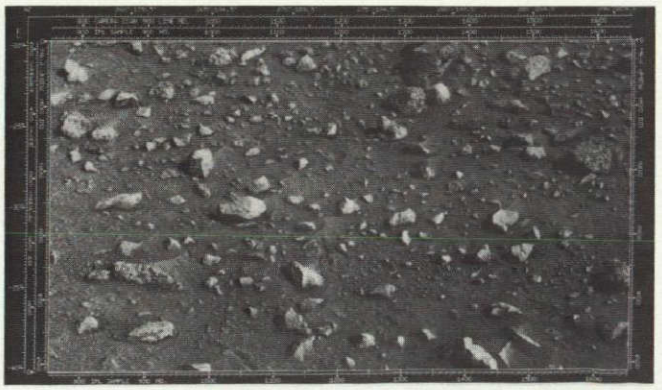
12A063/008 CAL 12A064/008 SURV



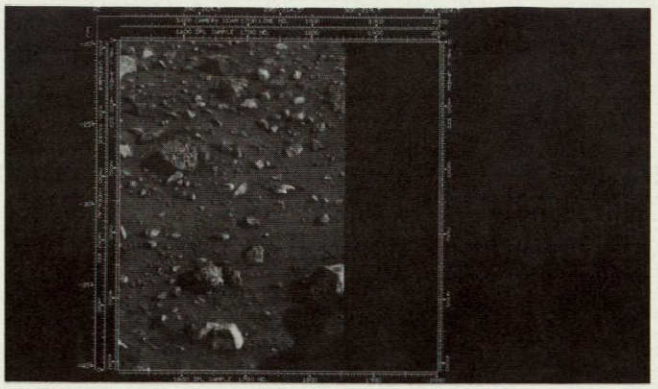
11A065/008 BB2 11A066/008 BB4



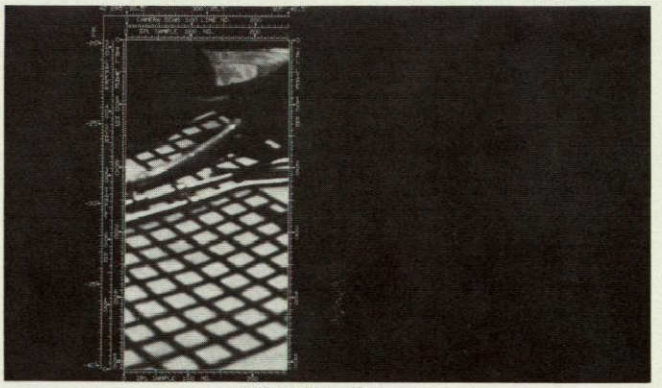
11A067/008 BB2 1/3



11A067/008 BB2 2/3



11A067/008 BB2 3/3



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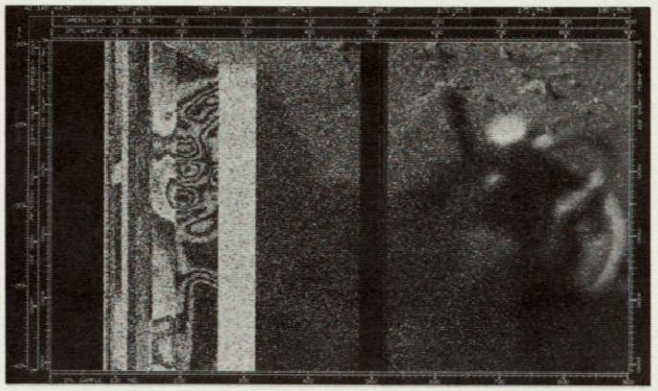
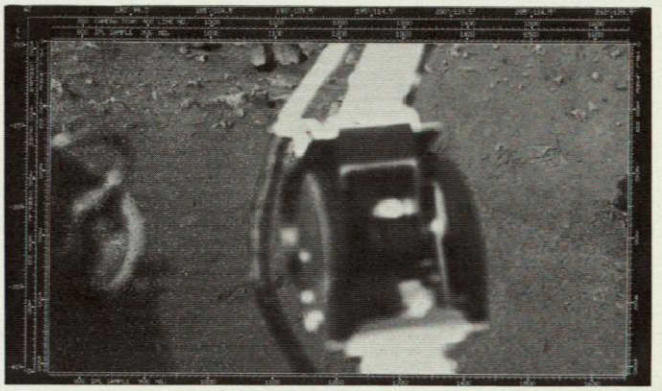
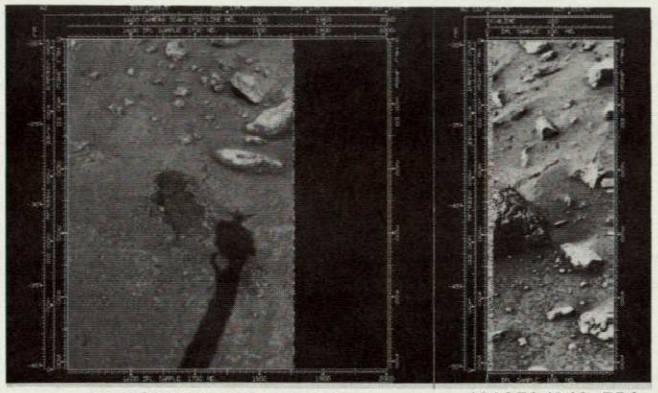


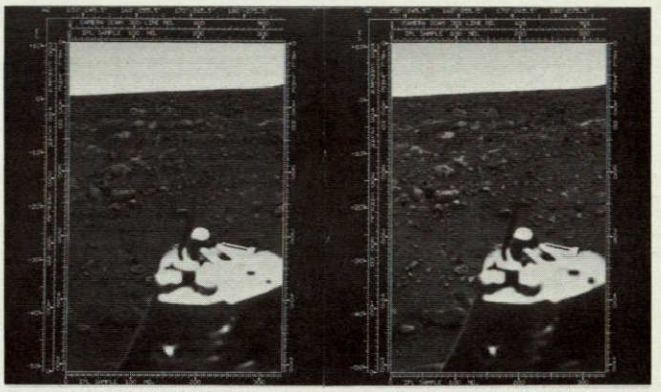
11A069/009 BB2 1/3



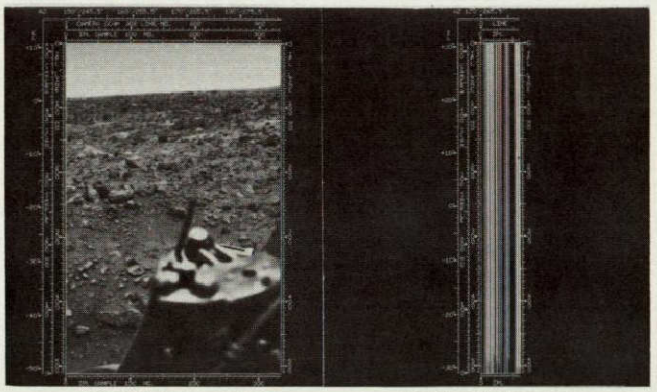
11A069/009 BB2 2/3



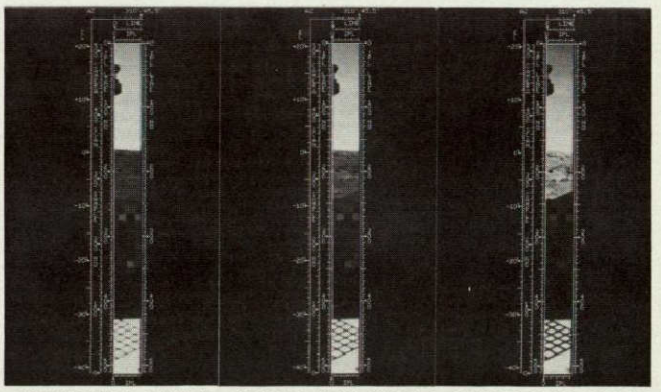
11A069/009 BB2 3/3 12A070/010 BB1



12A071/010 BLU/T 12A071/010 GRN/T

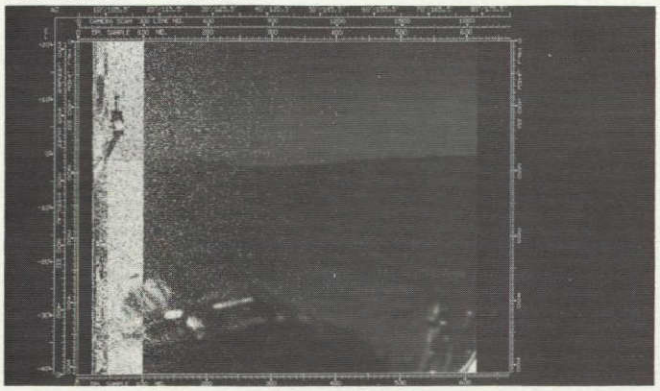


12A071/010 RED/T 12A072/010 CAL



12A073/010 BLU/T 12A073/010 GRN/T 12A073/010 RED/T

VL-1



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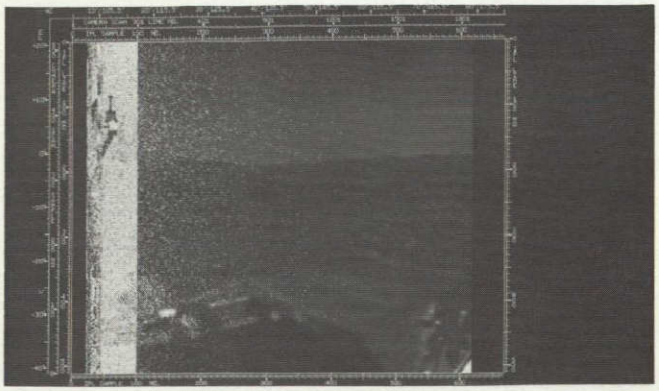

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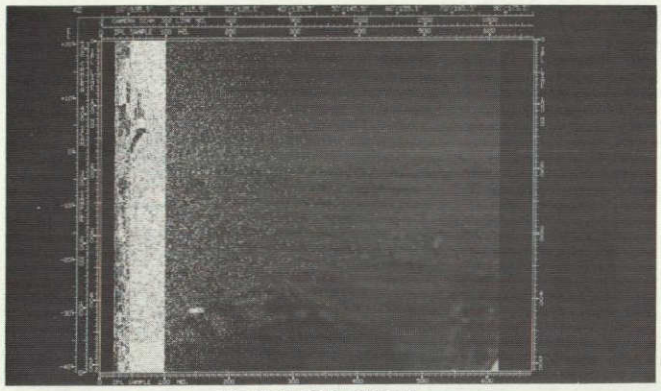

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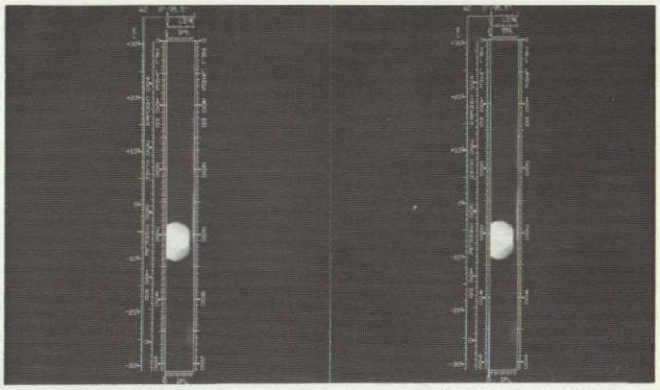
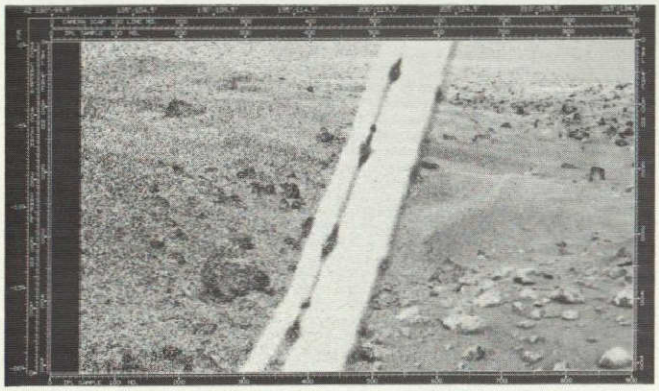
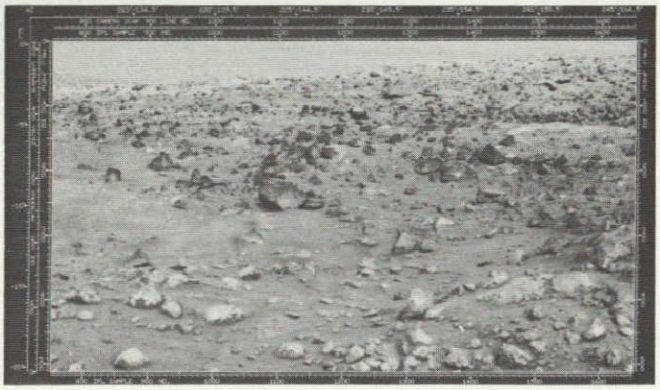


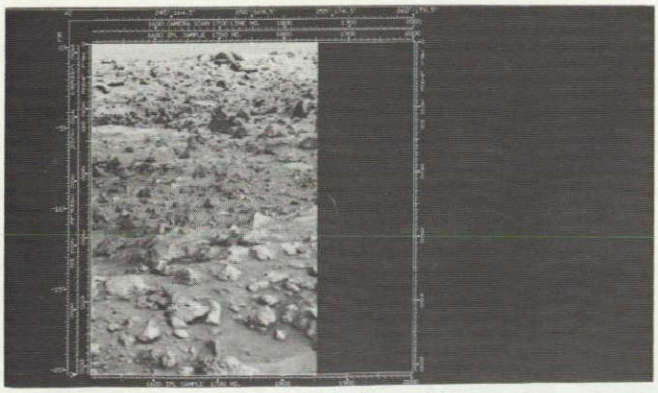
12A075/011 BB1 12A076/011 BB1



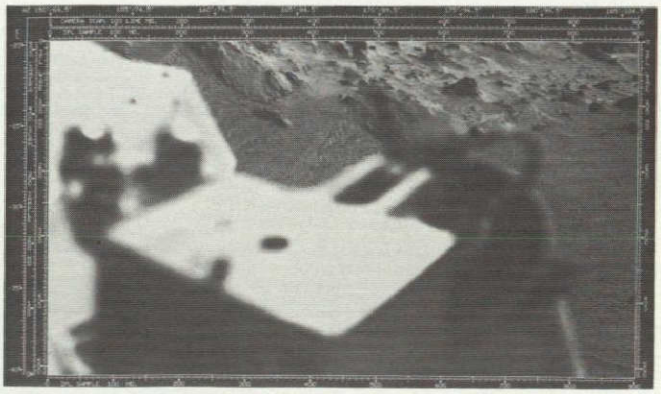
11A077/011 BB4 1/3



11A077/011 BB4 2/3

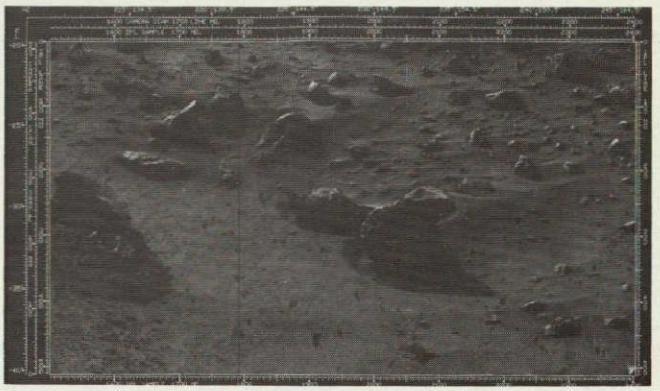


11A077/011 BB4 3/3

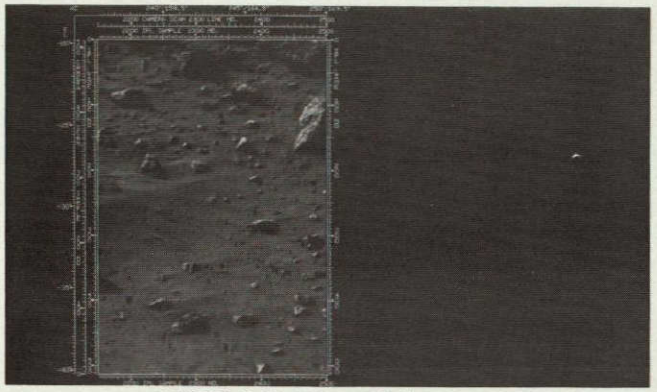


11A078/012 BB2 1/4

11A078/012 BB2 2/4



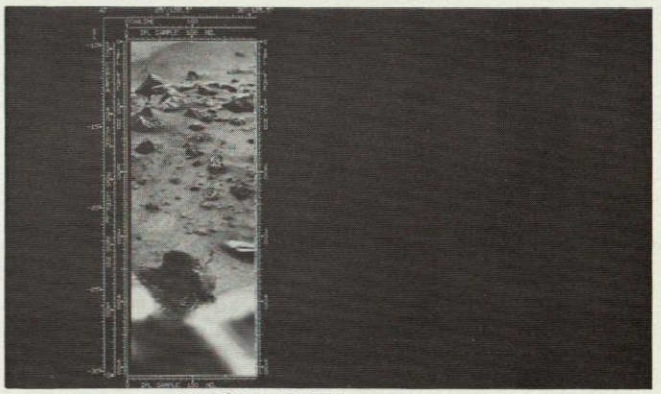
11A078/012 BB2 3/4



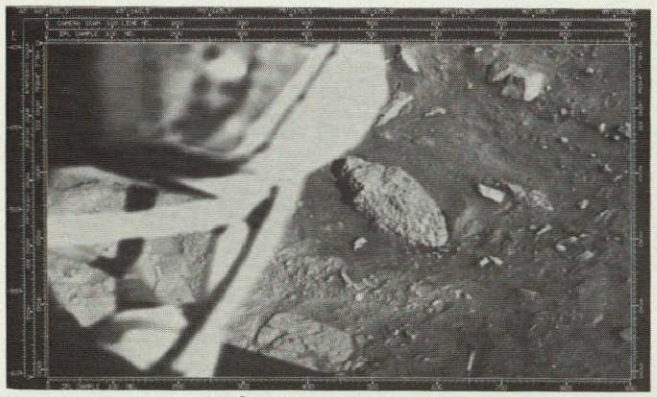
11A078/012 BB2 4/4

11A079/012 BB1 1/2

11A079/012 BB1 2/2



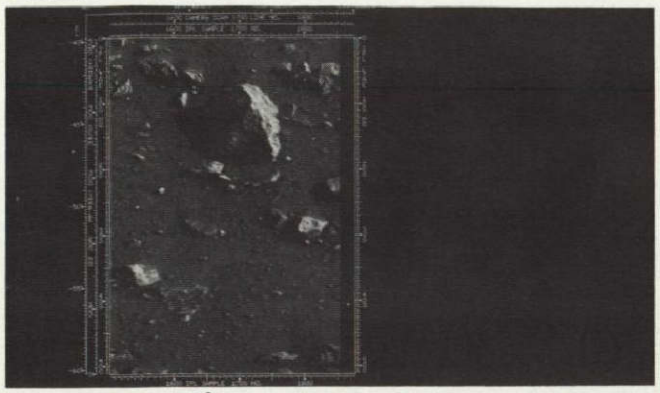
12A080/012 BB3



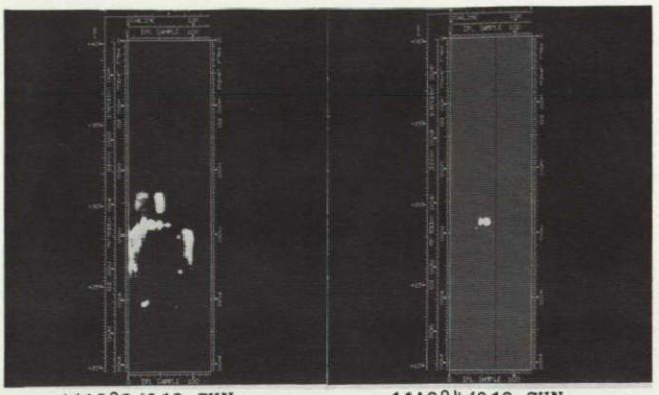
12A081/012 BB1 1/3

12A081/012 BB1 2/3

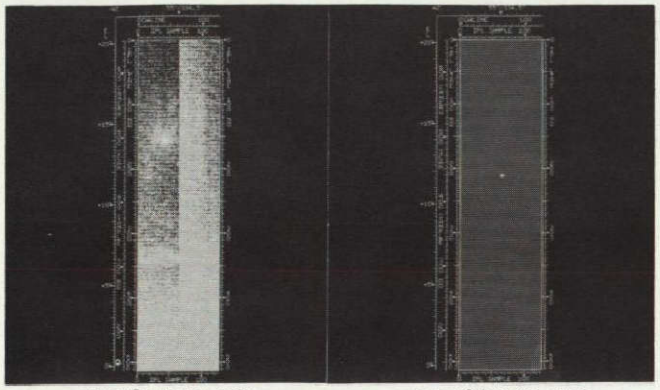
VL-1



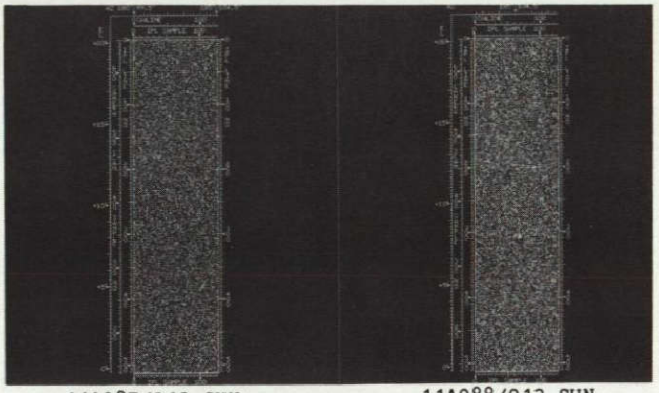
12A081/012 BB1 3/3



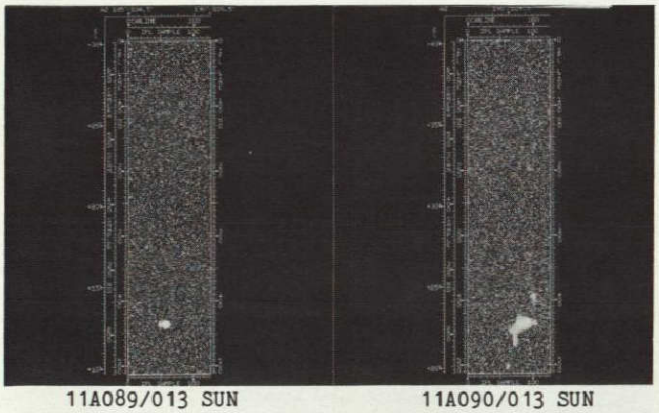
11A083/012 SUN 11A084/012 SUN



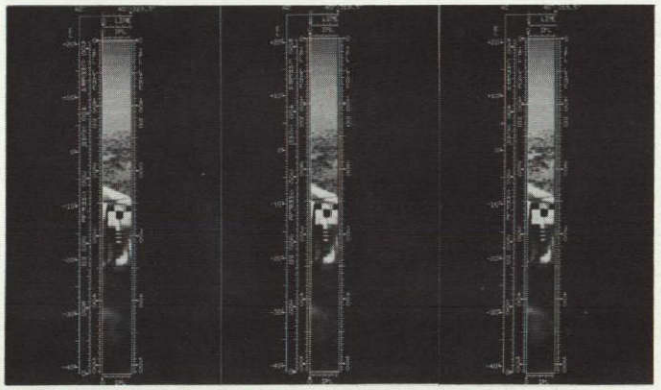
11A085/012 SUN 11A086/012 SUN



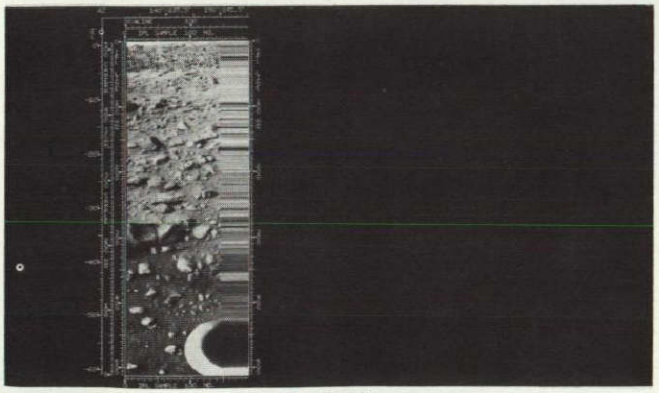
11A087/013 SUN 11A088/013 SUN



11A089/013 SUN 11A090/013 SUN



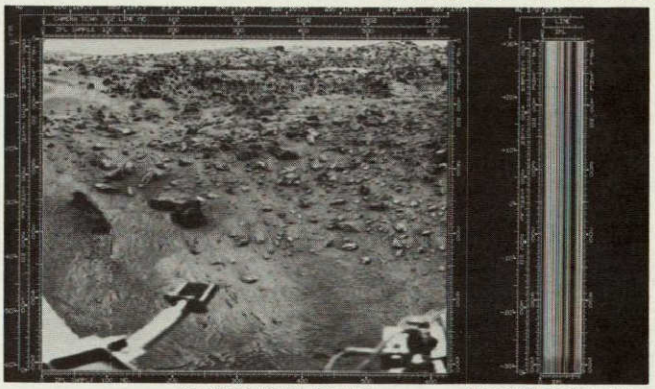
11A091/013 IR3/T 11A091/013 IR2/T 11A091/013 IR1/T



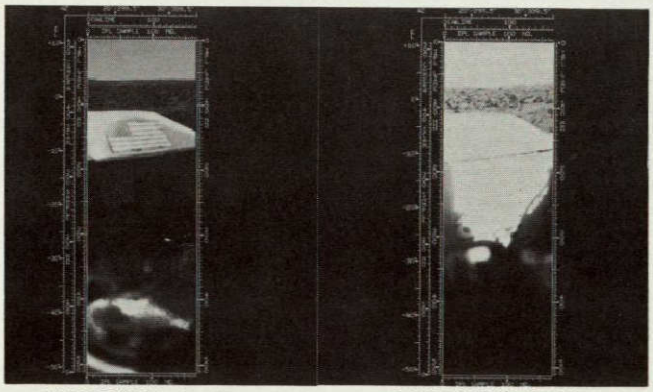
12A092/013 SURV

11A093/013 IR3/T

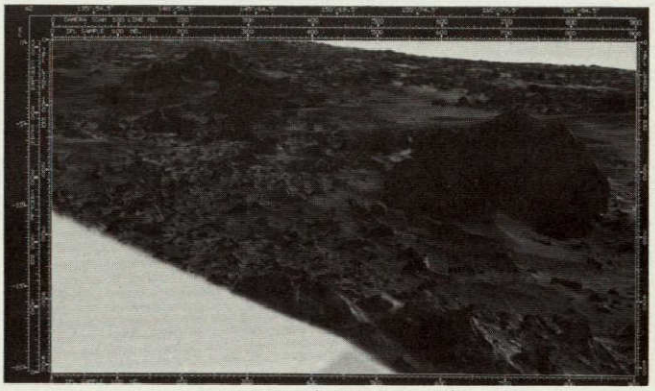
11A093/013 IR2/T



11A093/013 IR1/T 11A094/013 CAL



11A095/013 SURV 11A096/014 SURV

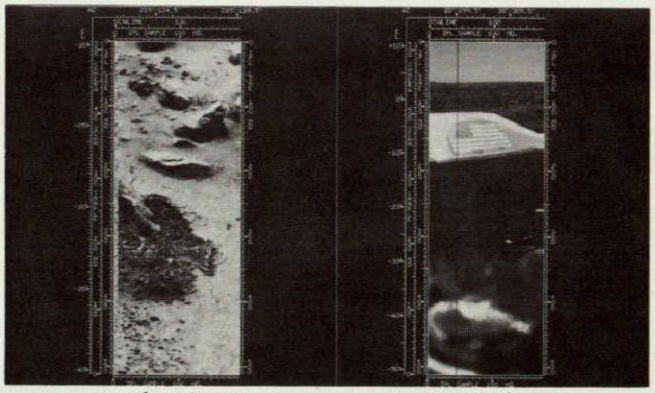


11A097/014 BB3 1/4

11A097/014 BB3 2/4

11A097/014 BB3 3/4

11A097/014 BB3 4/4



11A098/014 BB2 11A099/014 SURV

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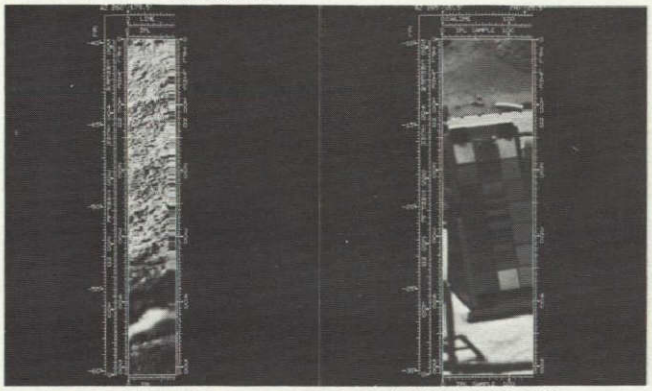
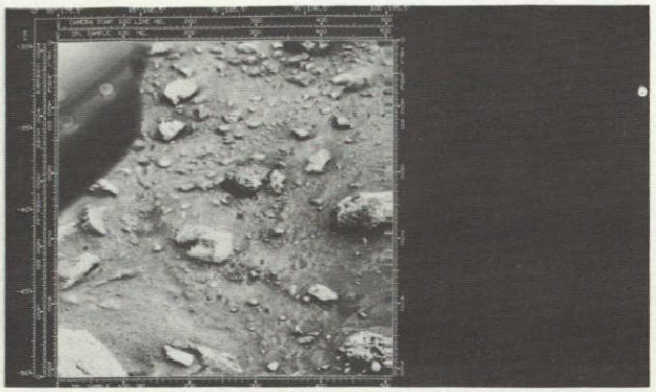


11A100/015 BB1 12A101/015 BB1



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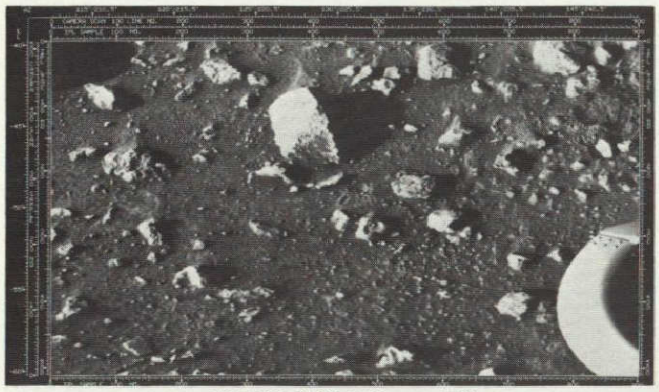
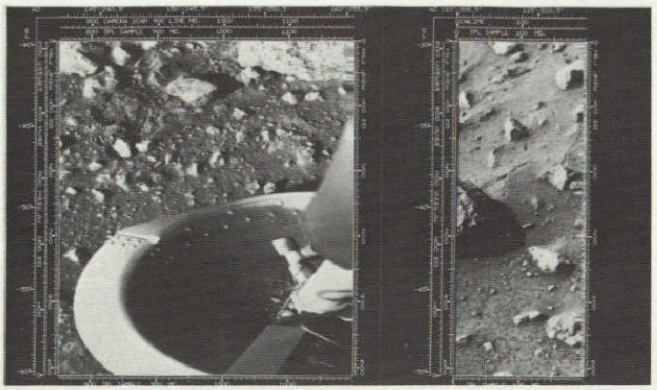
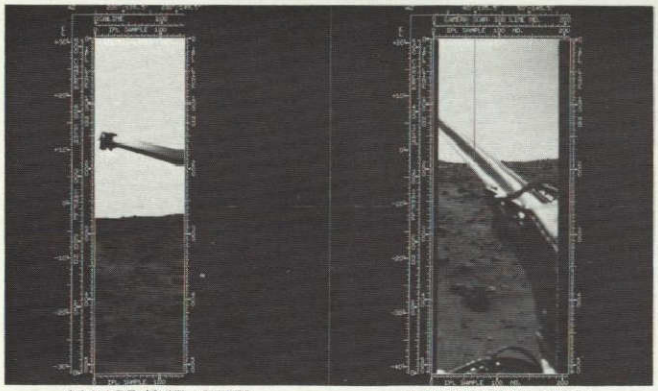


12A103/016 BB1 1/2



12A103/016 BB1 2/2 12A104/016 BB1



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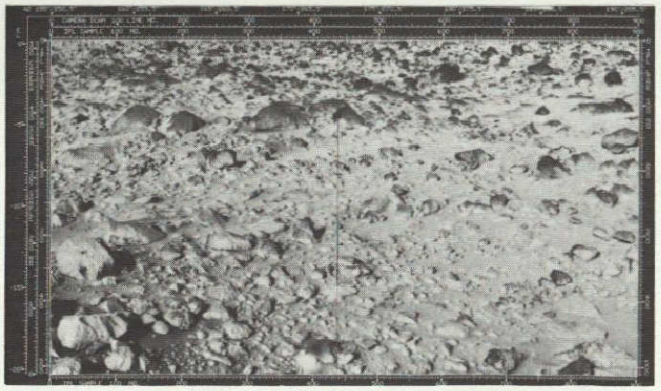

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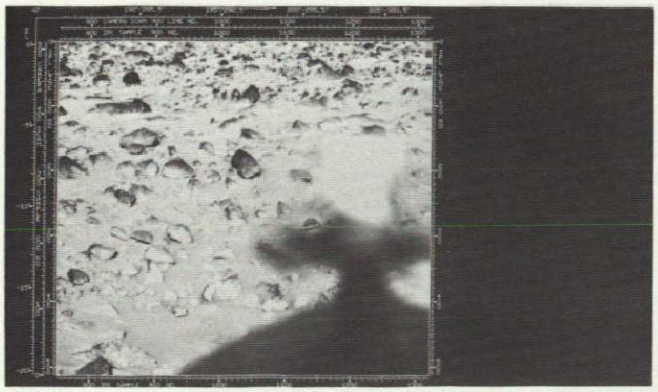

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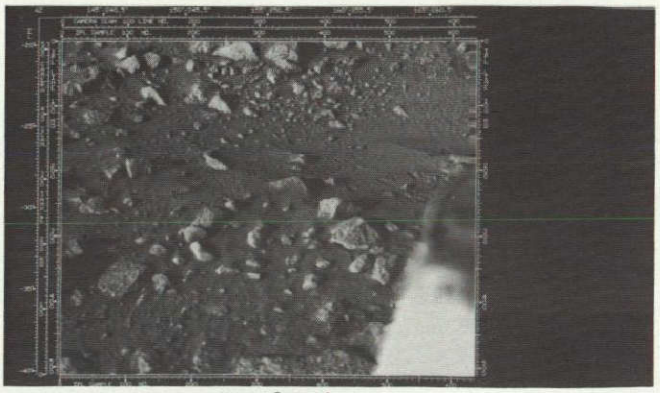

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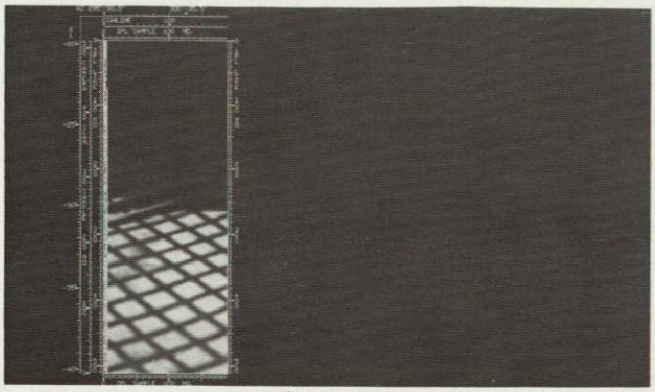

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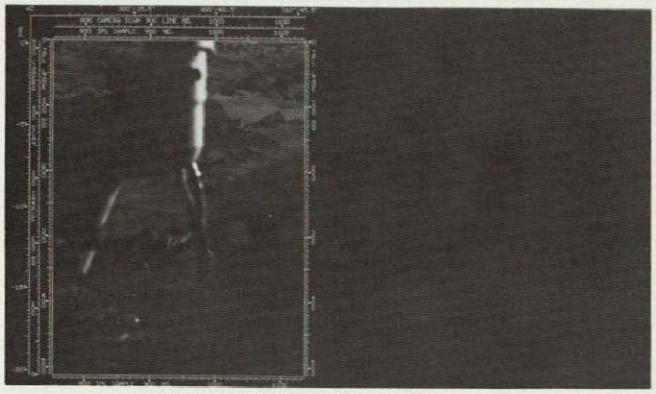
12A110/019 BB3 1/2



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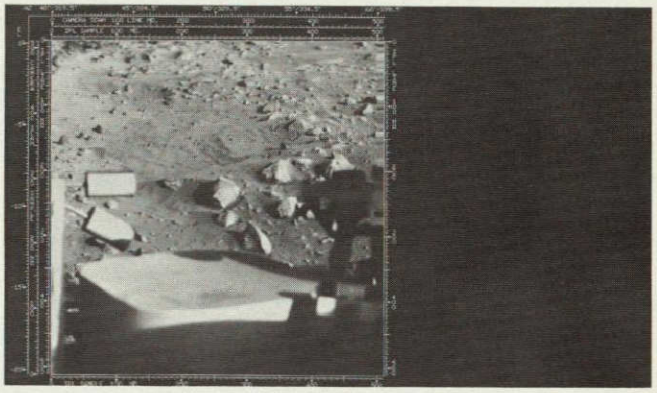

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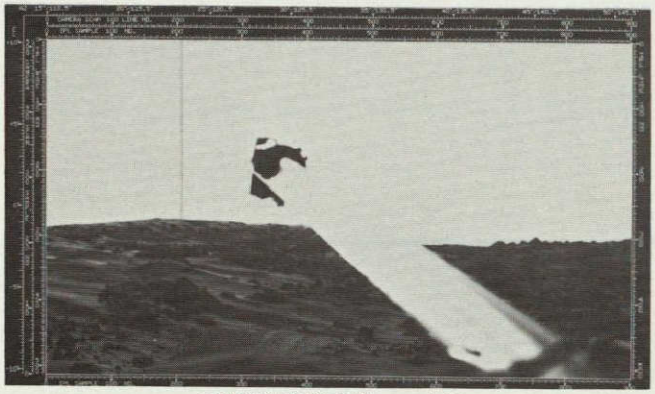

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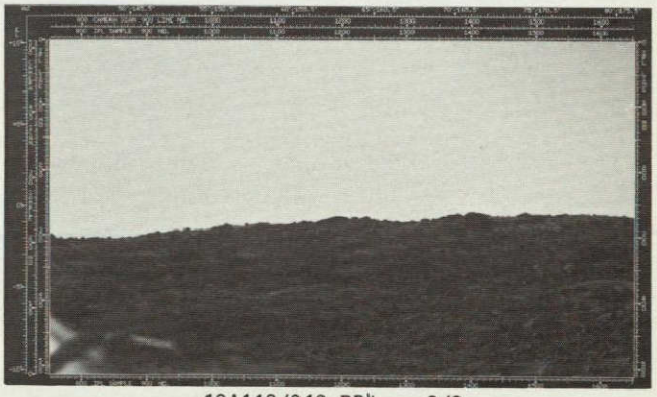

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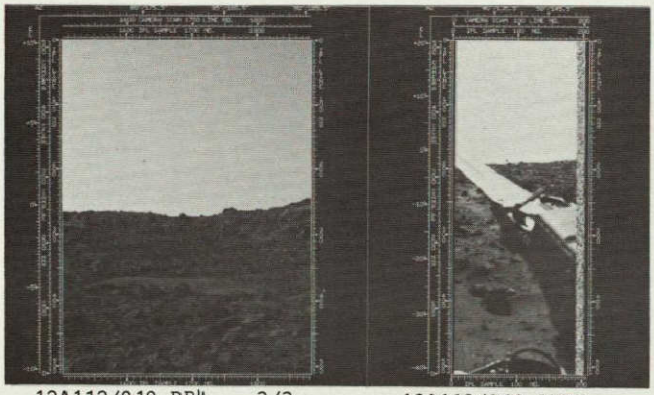

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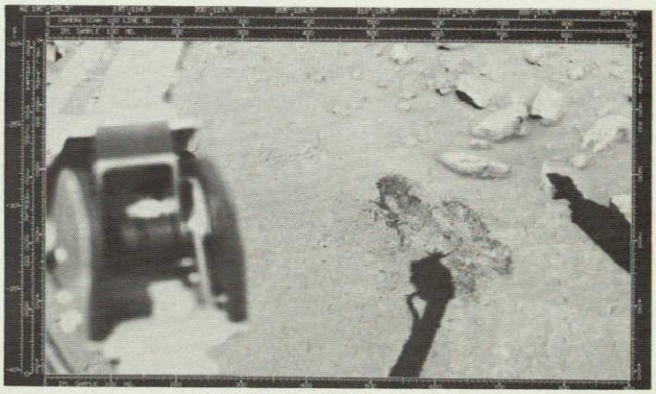
12A113/019 SURV



11A114/019 BB2 1/5

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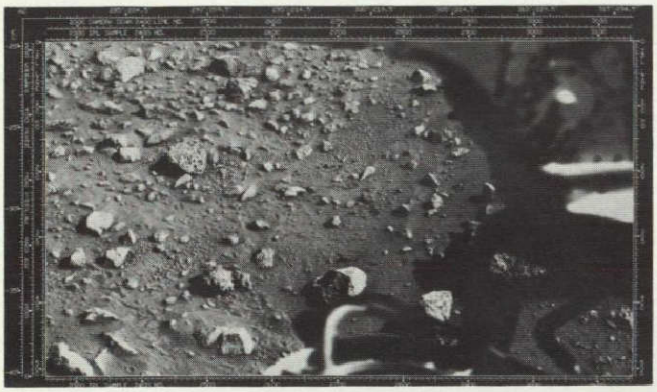
11A114/019 BB2 2/5

11A114/019 BB2 3/5



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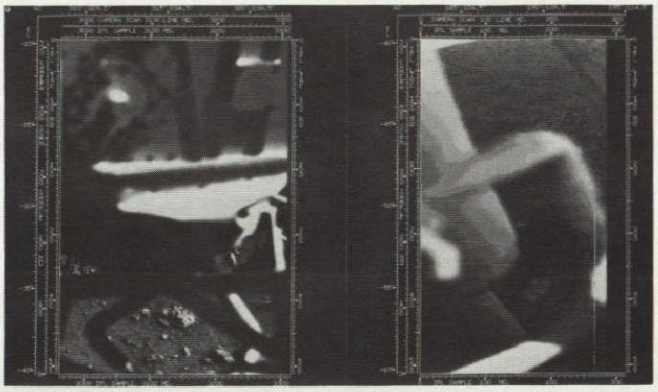

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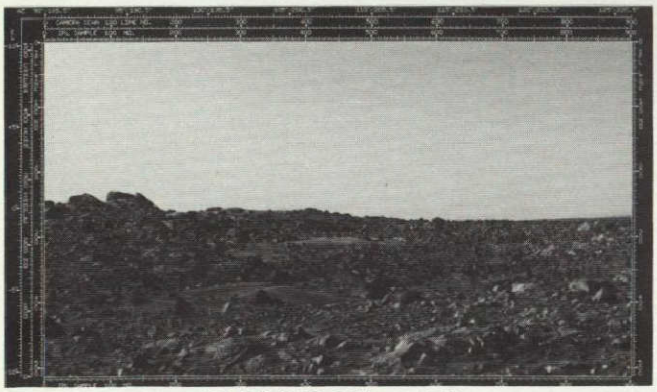

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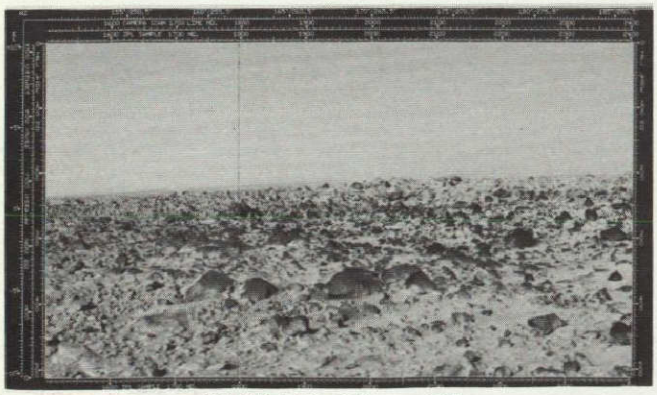
12A116/020 BB4 2/5



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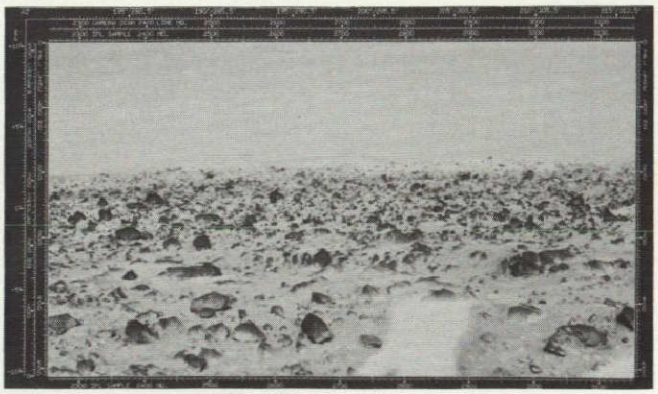

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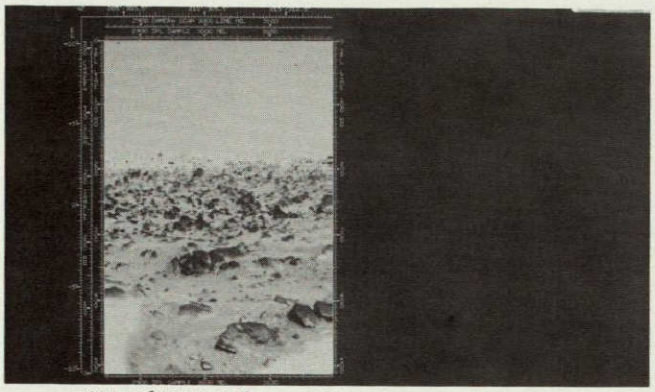

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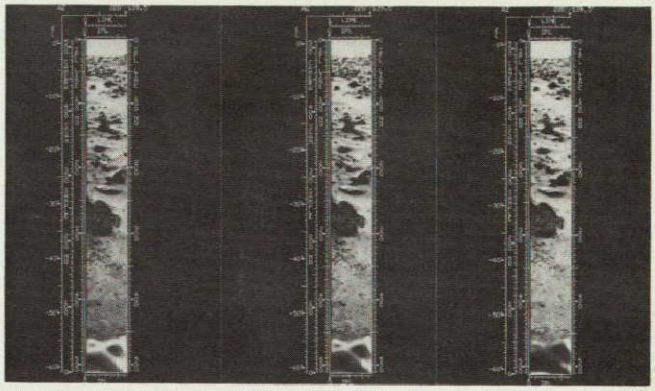
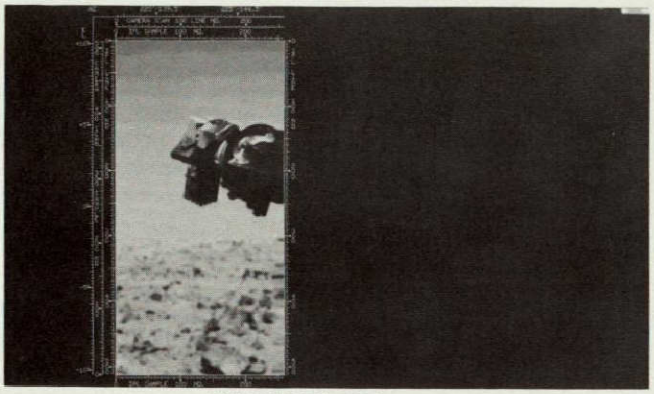


11A117/020 BLU/T 11A117/020 GRN/T 11A117/020 RED/T



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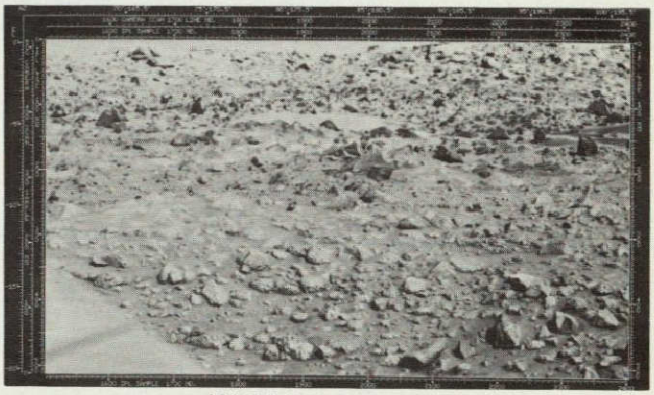
12A119/020 BB3 1/5

12A119/020 BB3 2/5



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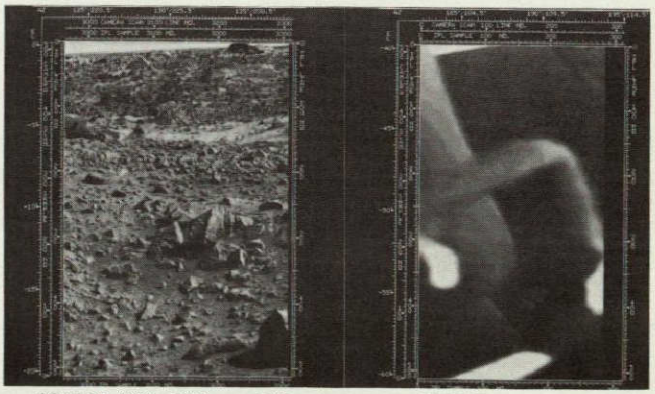
12A119/020 BB3 4/5



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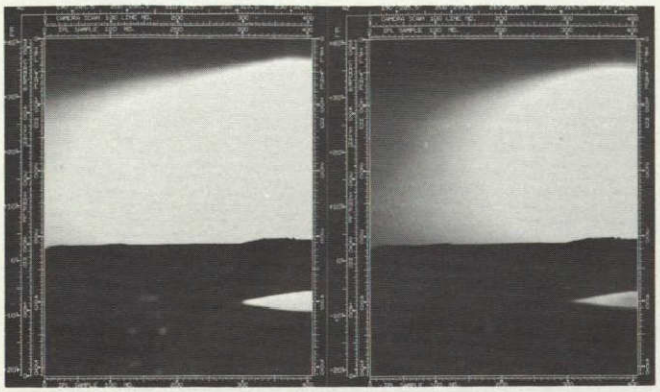

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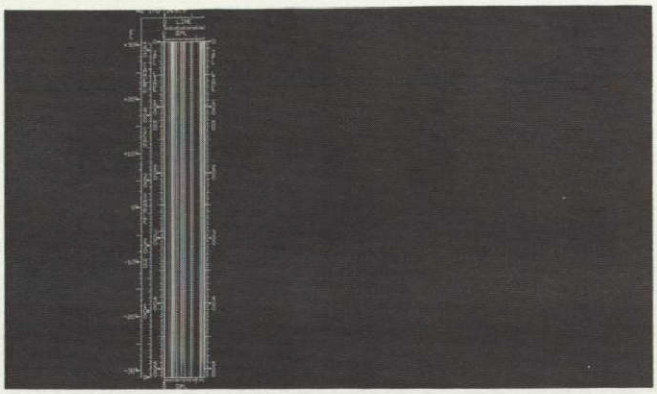

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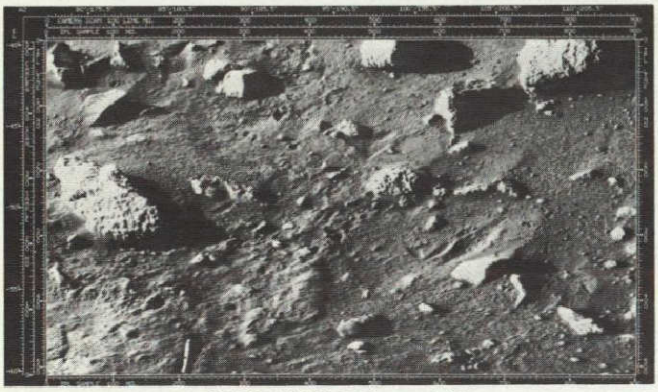

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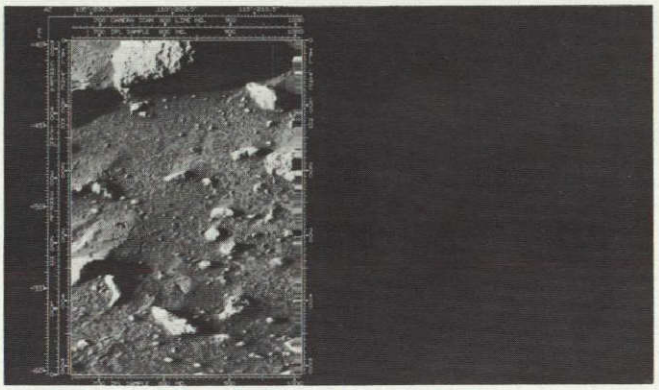

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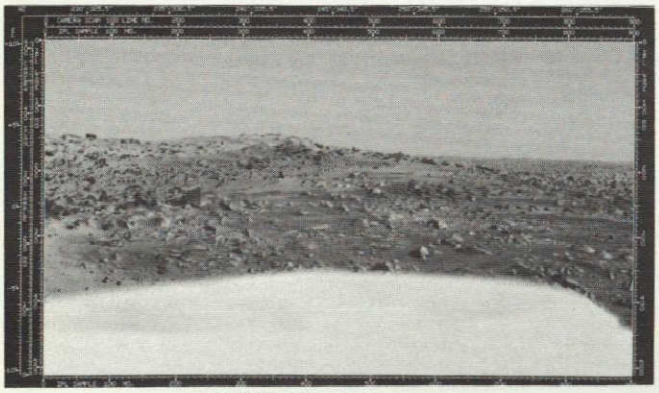

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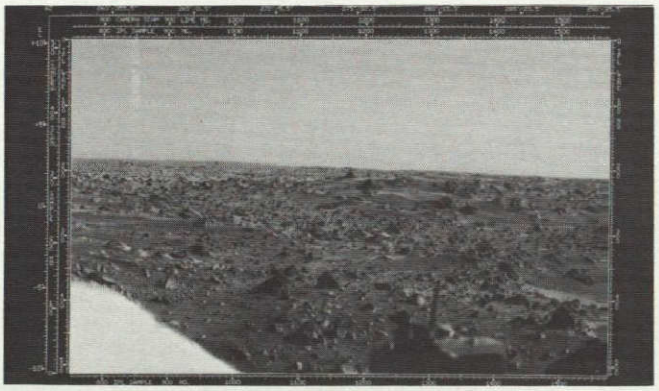

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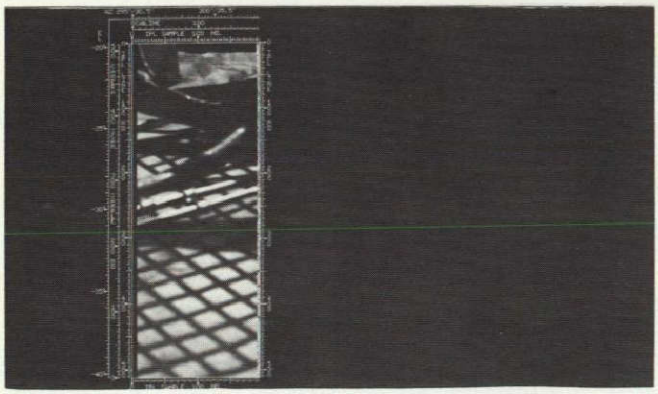

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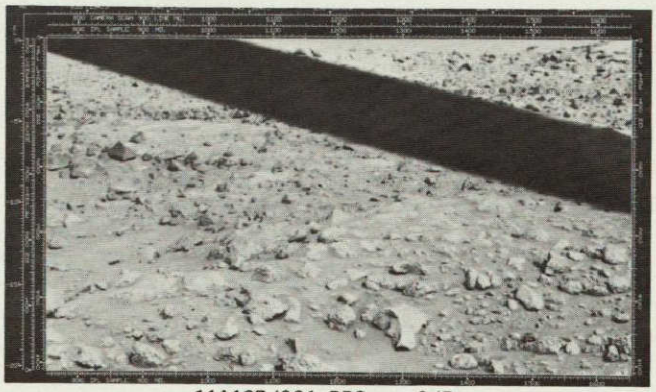
11A127/021 BB3 1/5



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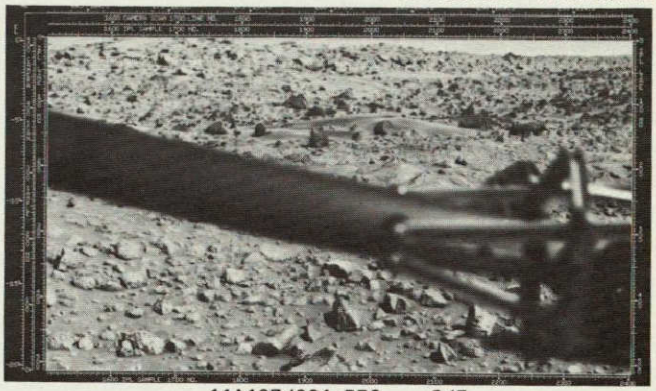

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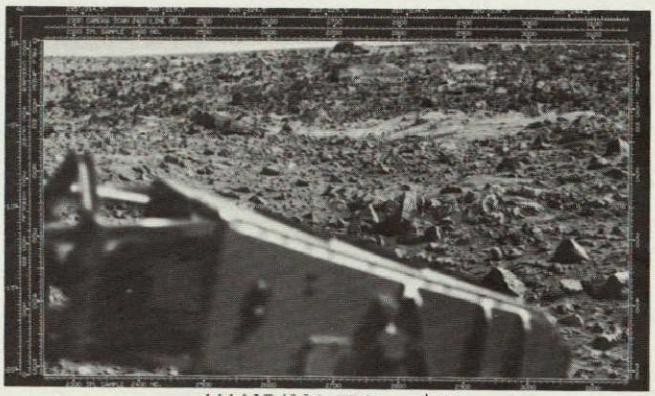

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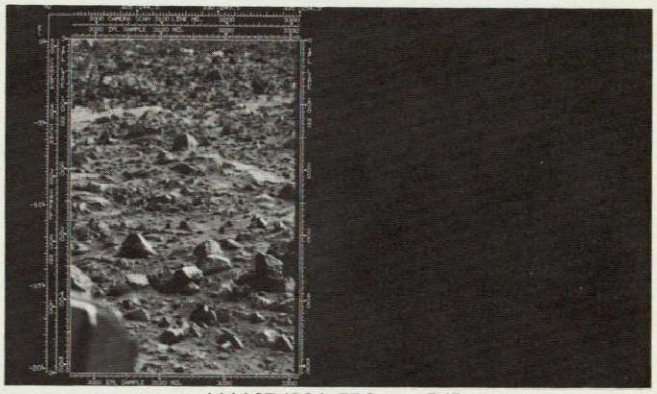

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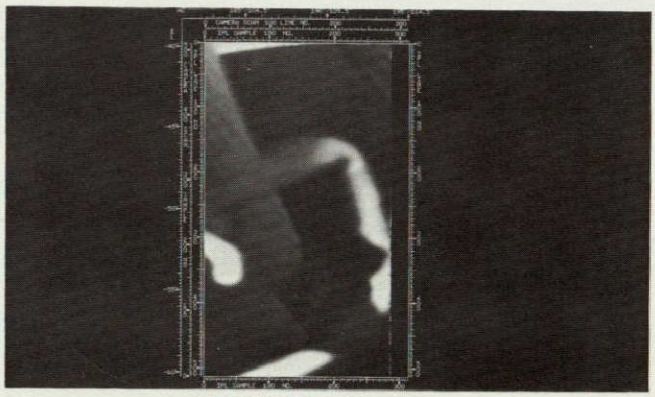

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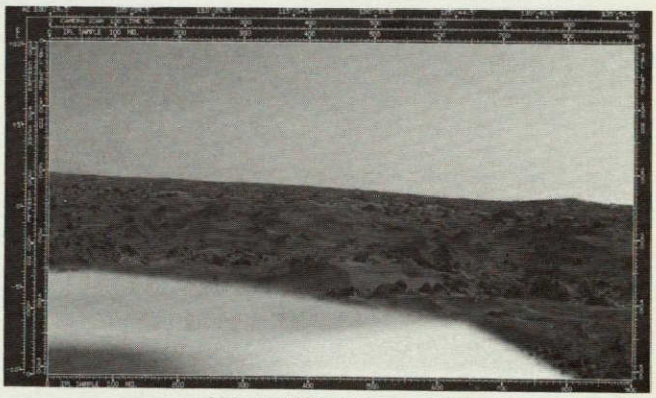

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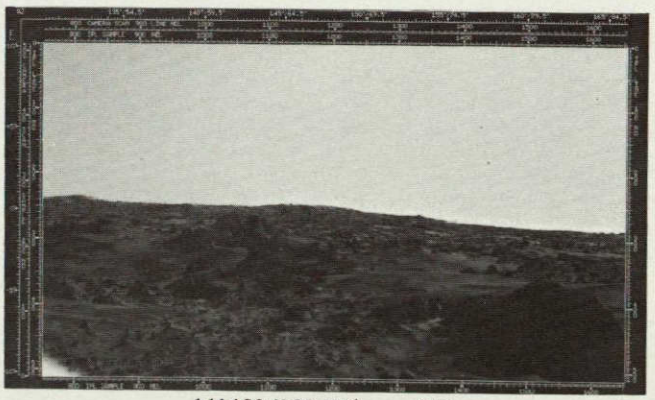

11A129/022 BB4 2/3

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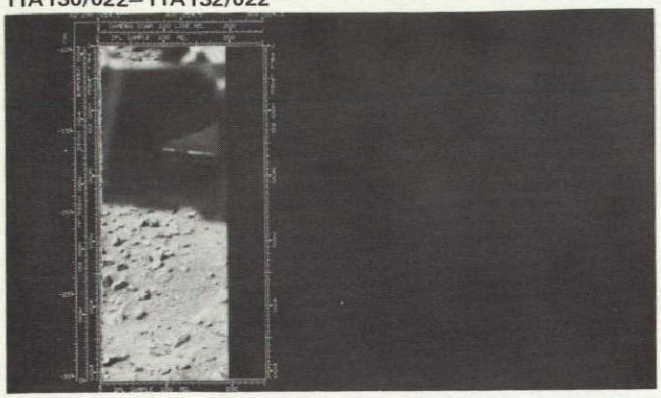
11A130/022–11A132/022



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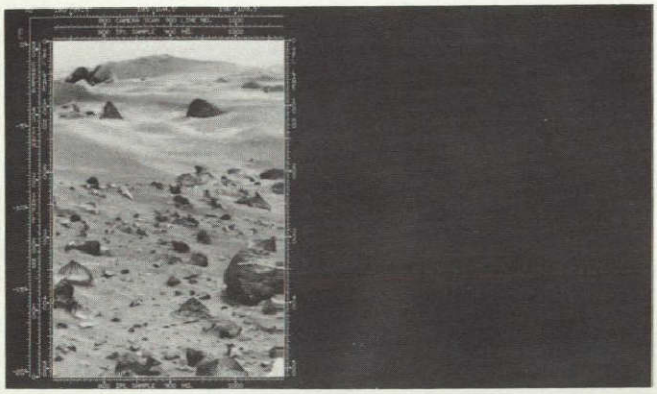

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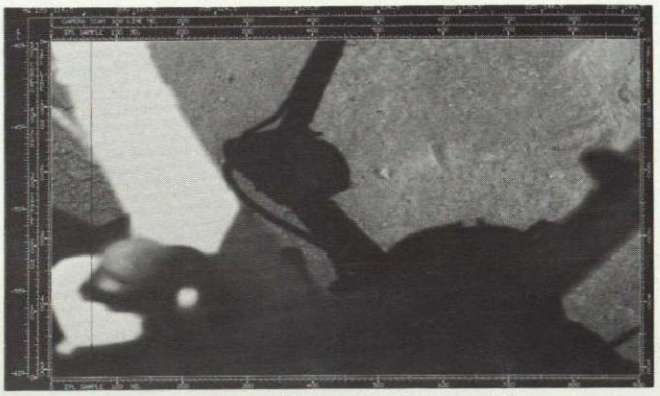

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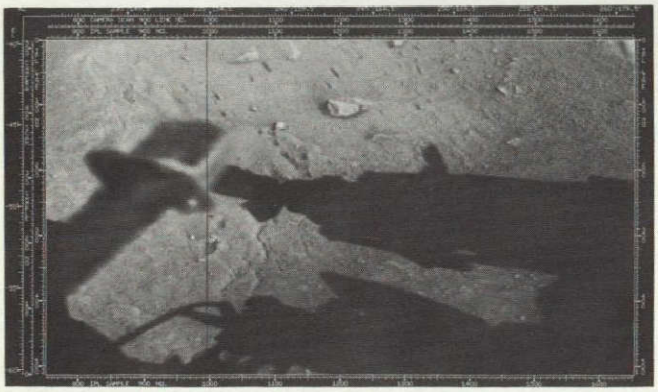

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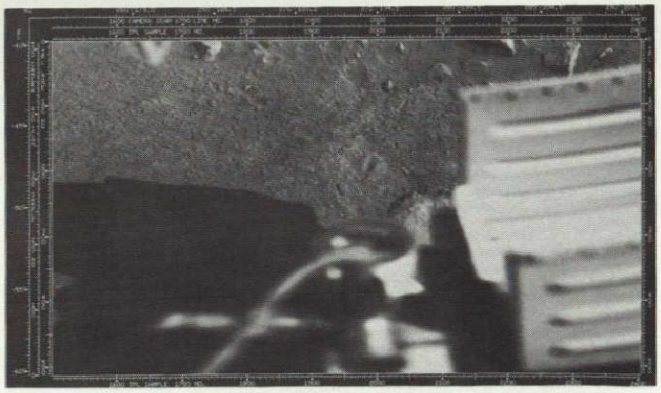

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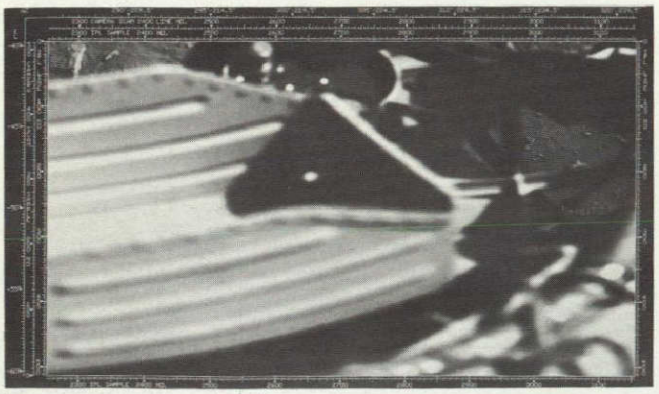

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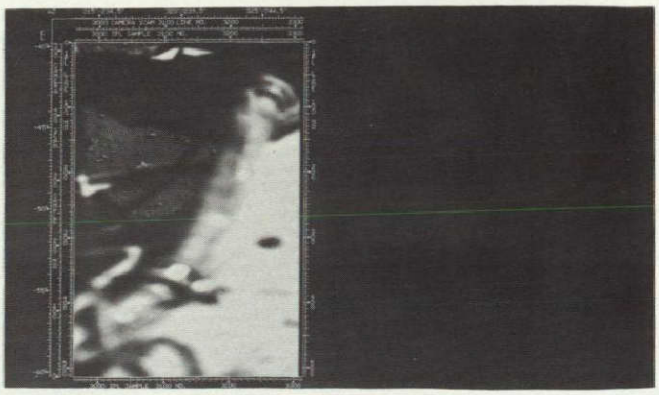

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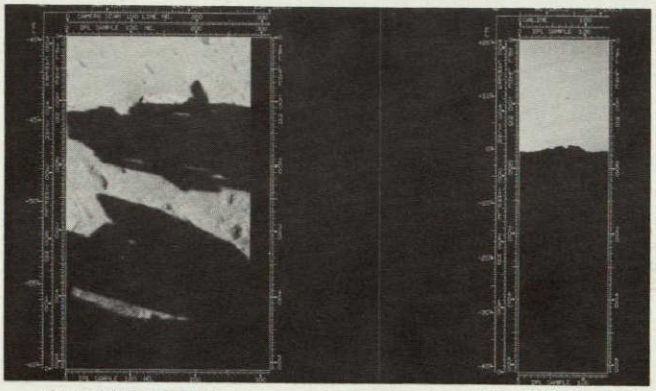
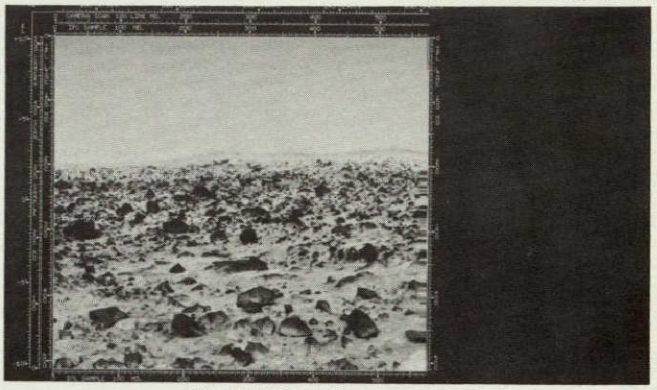


11A133/022 BB1 12A134/023 BLU



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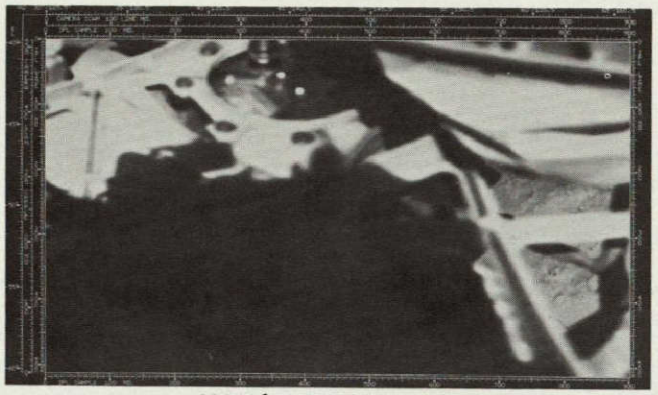

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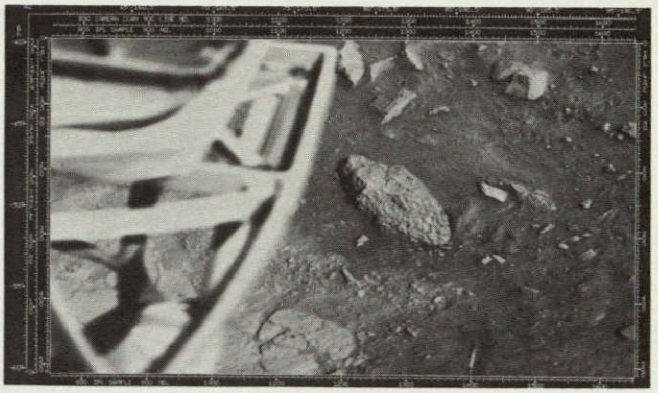

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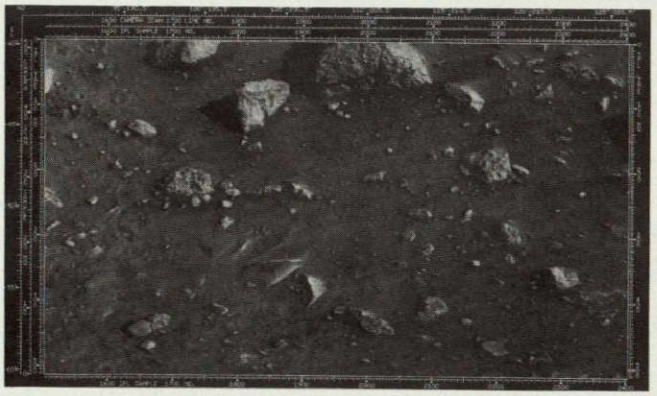

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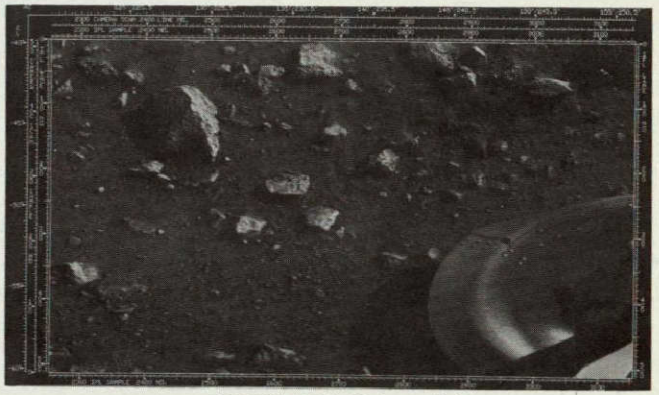

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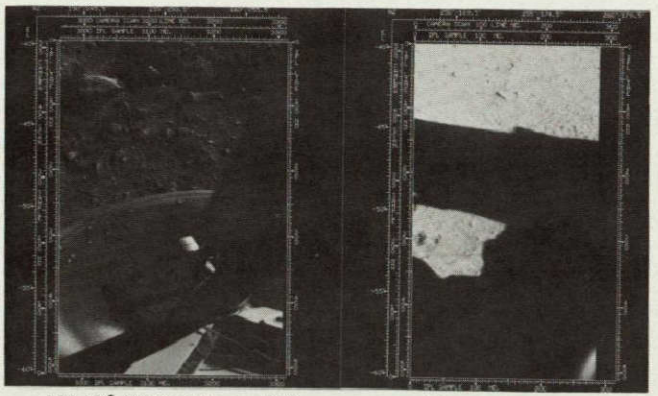

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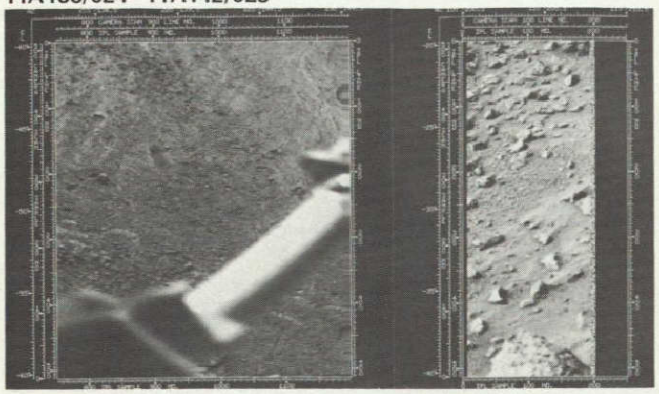
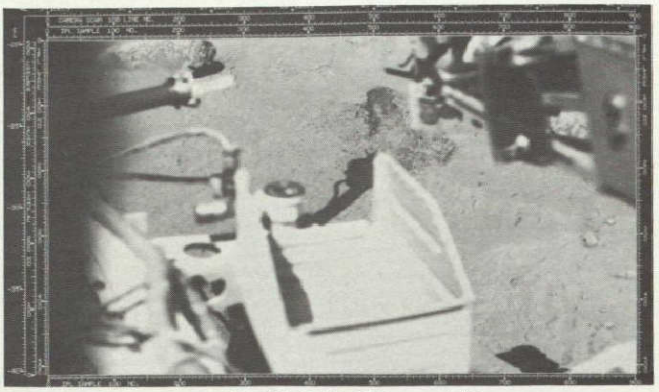
11A138/024 BB1 1/2

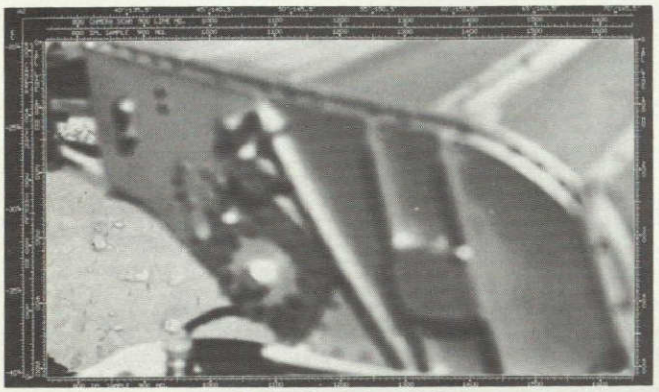
11A138/024–11A142/025



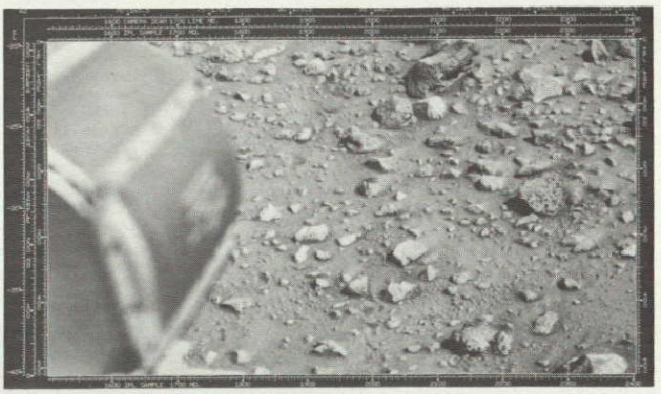
11A138/024 BB1 2/2 12A139/024 BB3



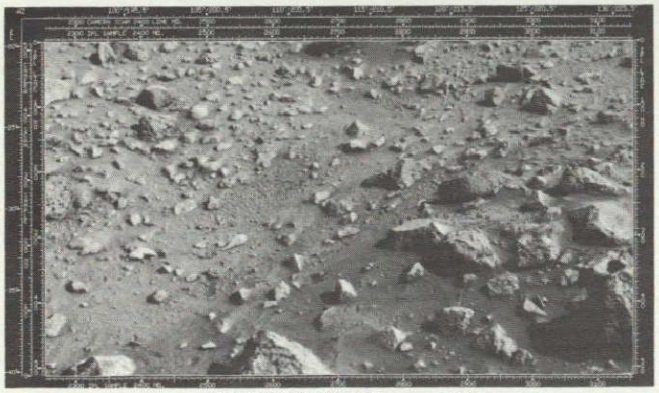
12A140/024 BB2 1/5



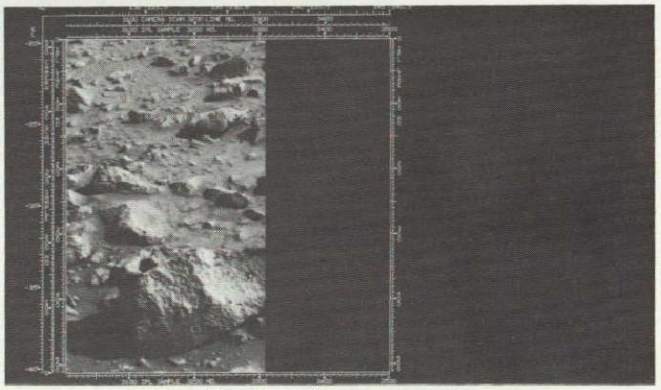
12A140/024 BB2 2/5



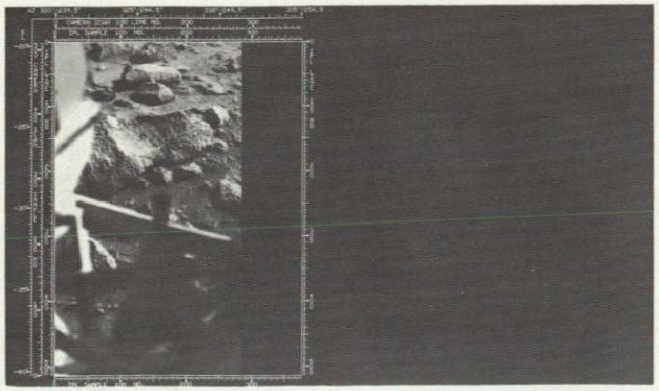
12A140/024 BB2 3/5



12A140/024 BB2 4/5

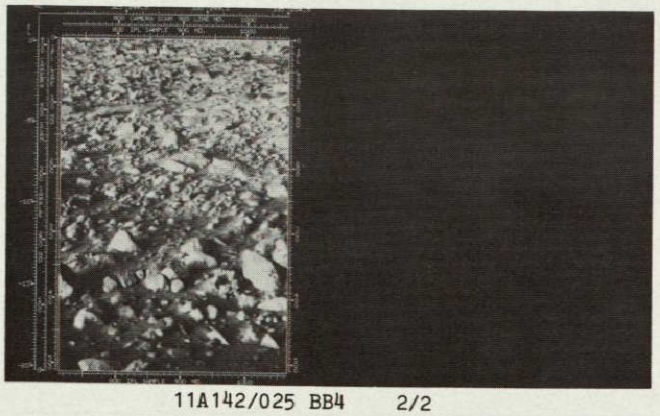


12A140/024 BB2 5/5

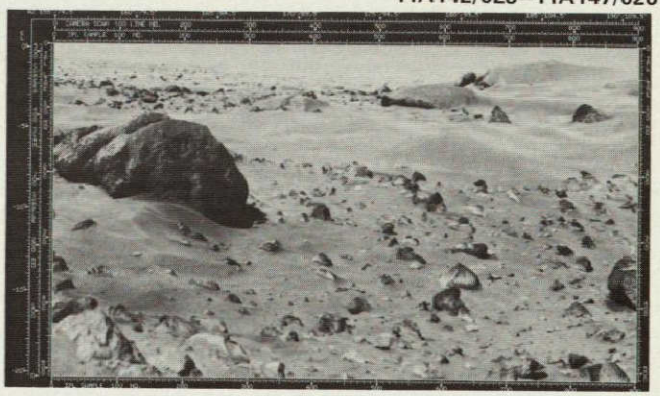


11A141/024 BB2

11A142/025 BB4 1/2

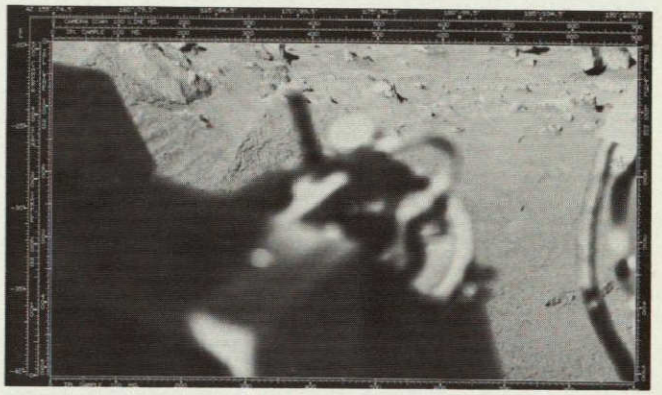


11A142/025 BB4 2/2

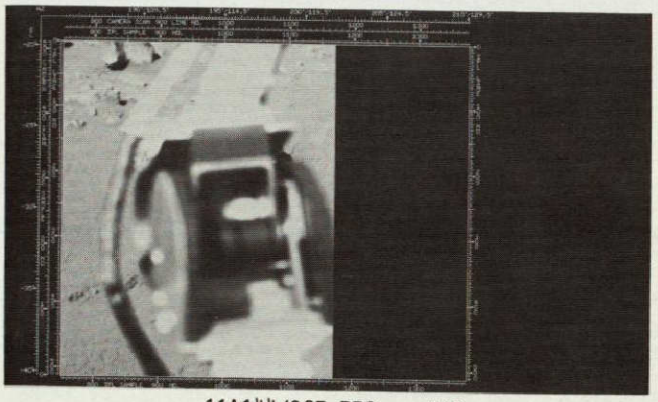


11A143/025 BB4 1/2

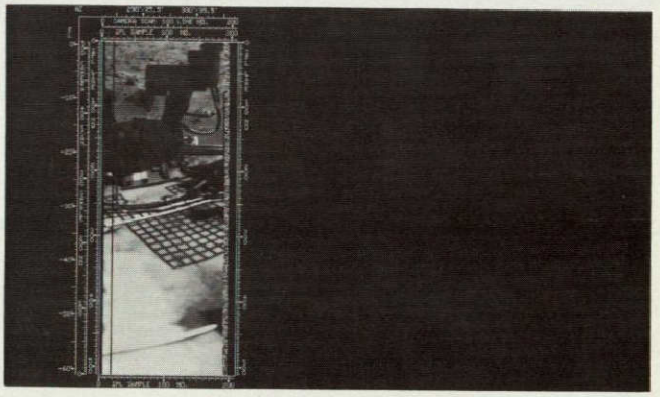
11A143/025 BB4 2/2



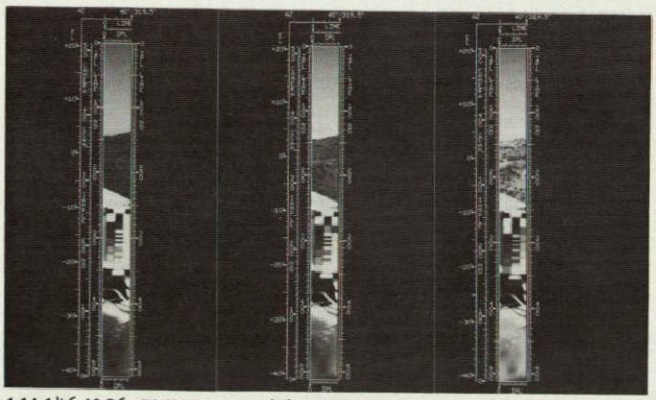
11A144/025 BB2 1/2



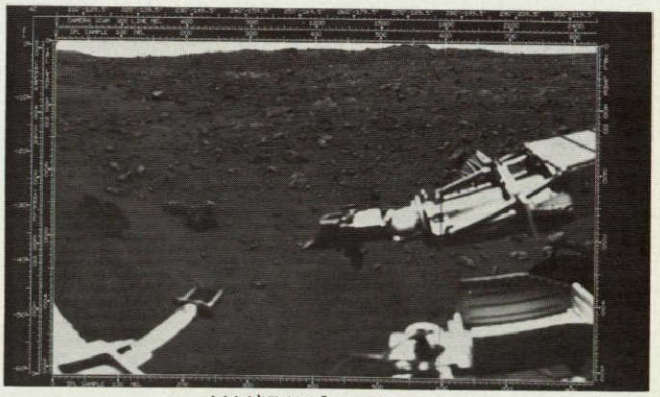
11A144/025 BB2 2/2



12A145/026 SURV



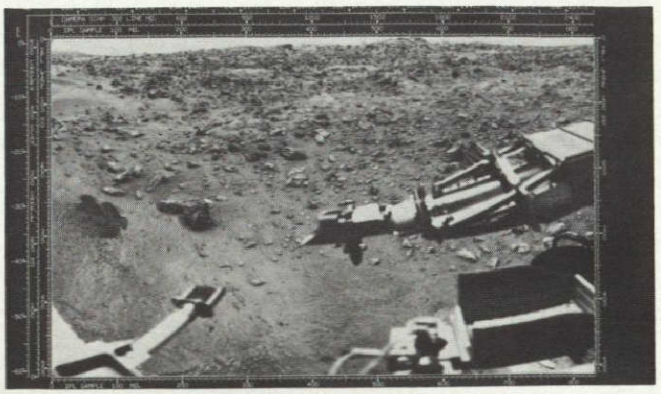
11A146/026 BLU/T 11A146/026 GRN/T 11A146/026 RED/T



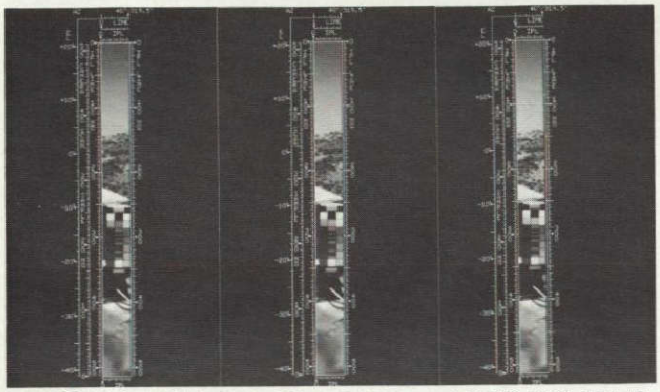
11A147/026 BLU/T

11A147/026–11A151/026

11A147/026 GRN/T



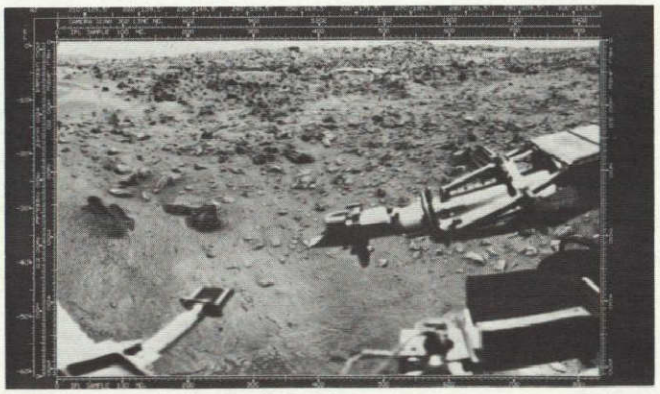
11A147/026 RED/T



11A148/026 IR3/T 11A148/026 IR2/T 11A148/026 IR1/T

11A149/026 IR3/T

11A149/026 IR2/T



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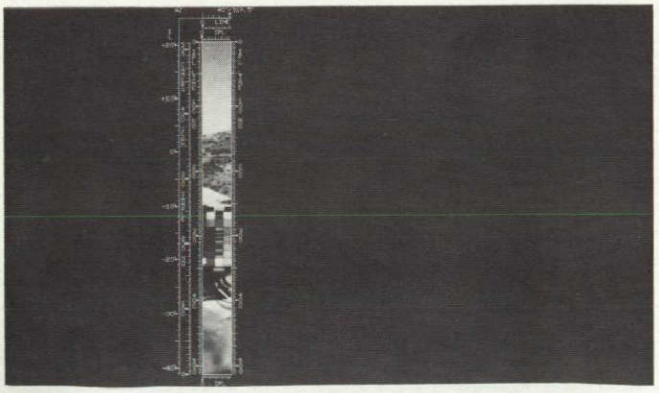
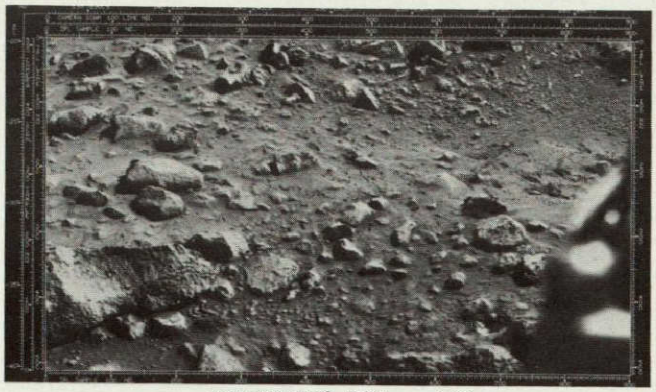
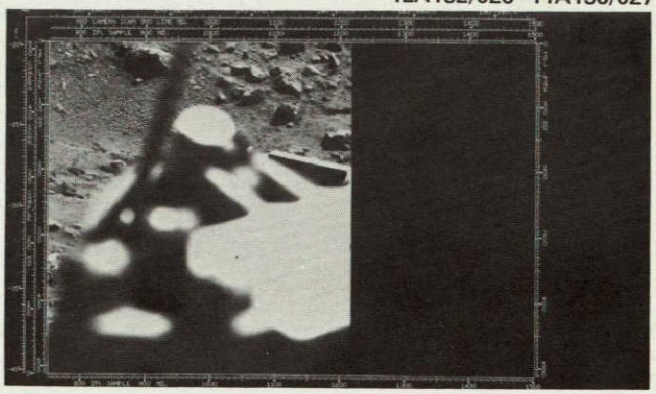


11A150/026 SURV

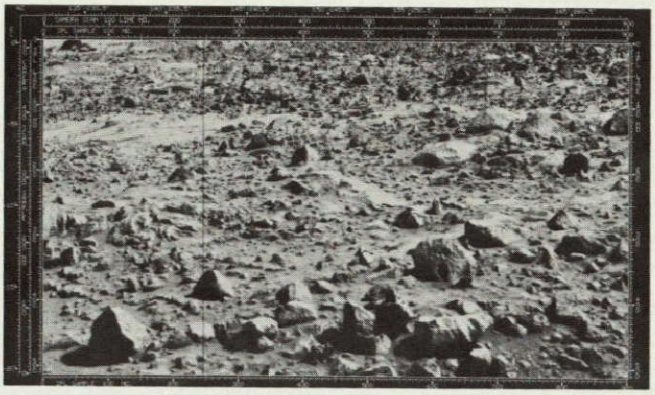
11A151/026 SURV



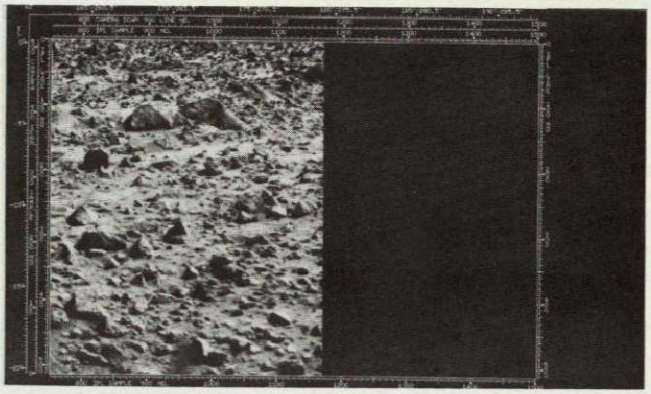
12A152/026 BB2 1/2



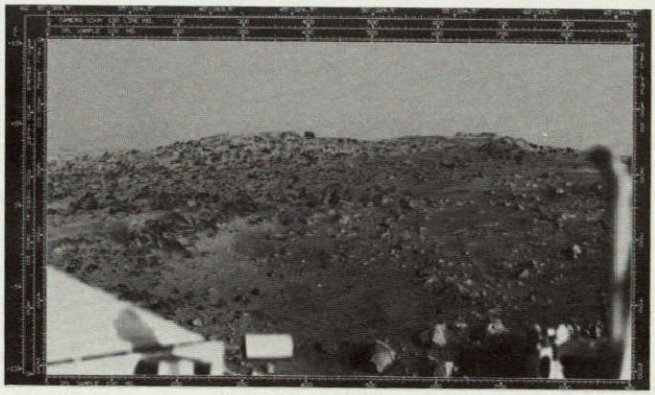
12A152/026 BB2 2/2



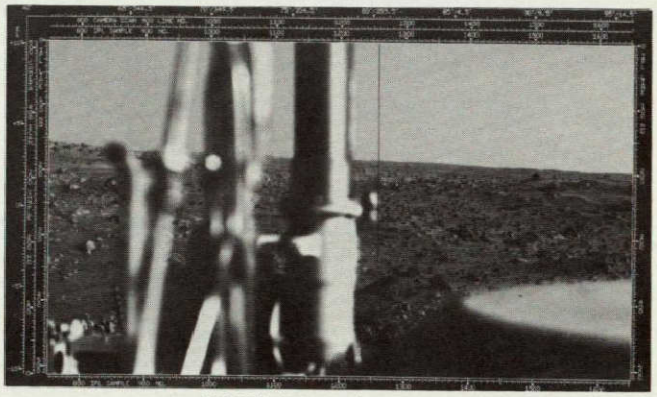
12A153/026 BB4 1/2



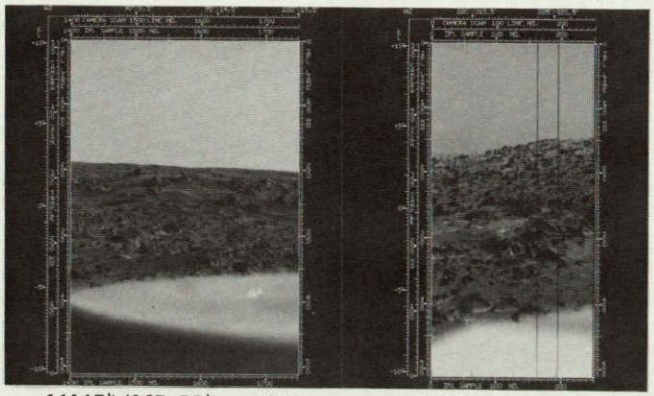
12A153/026 BB4 2/2



11A154/027 BB4 1/3

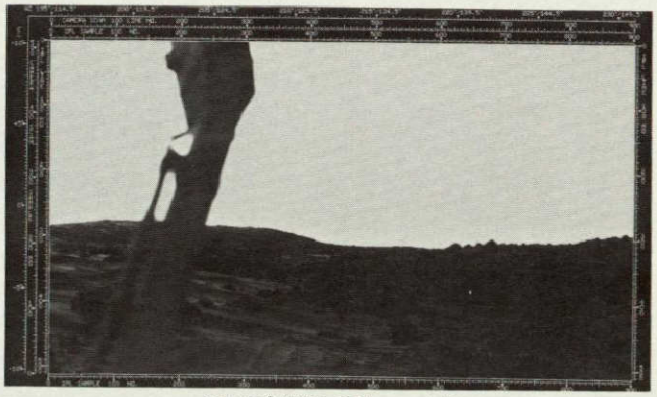


11A154/027 BB4 2/3



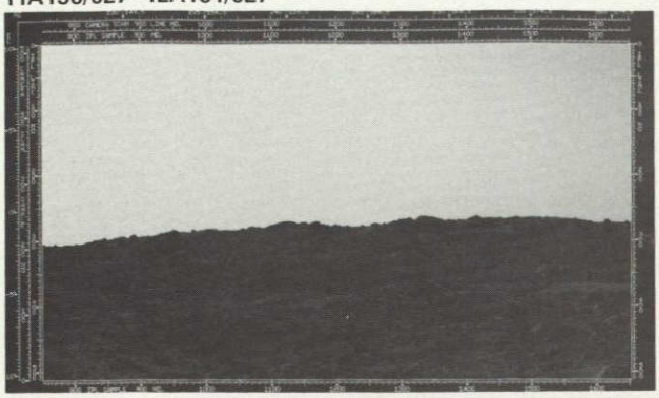
11A154/027 BB4 3/3

12A155/027 BB4

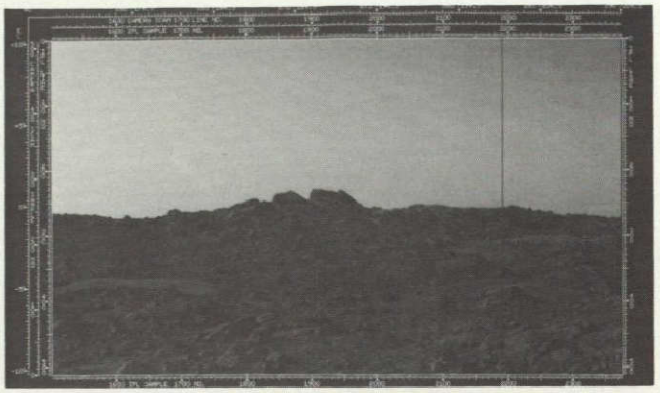


11A156/027 BB4 1/3

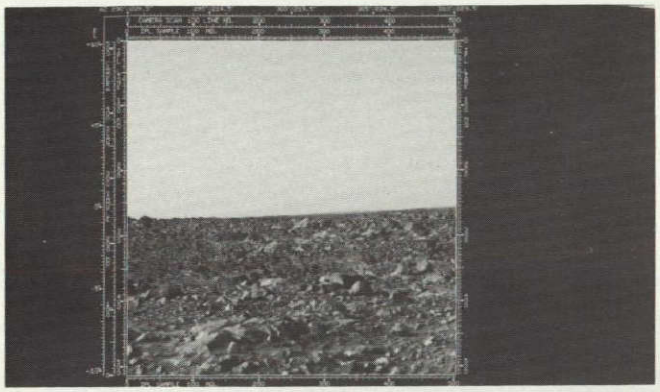
11A156/027–12A164/027



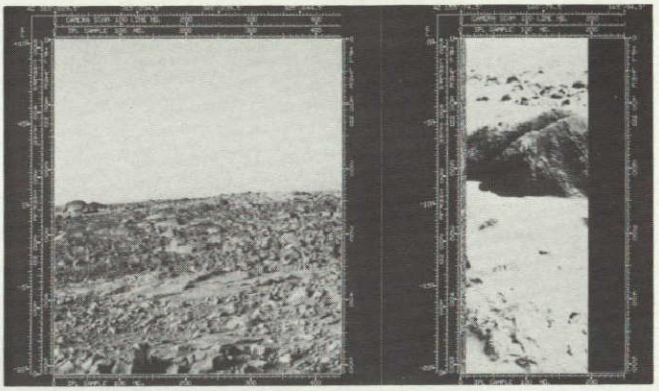
11A156/027 BB4 2/3



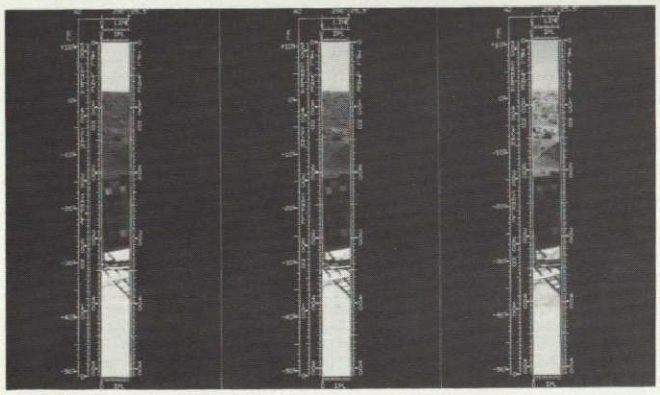
11A156/027 BB4 3/3



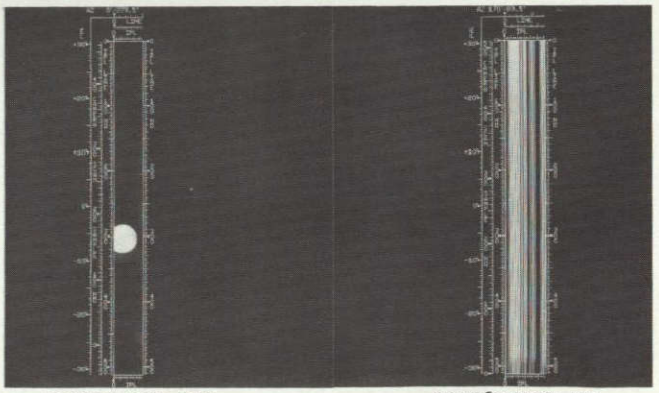
11A157/027 BB4



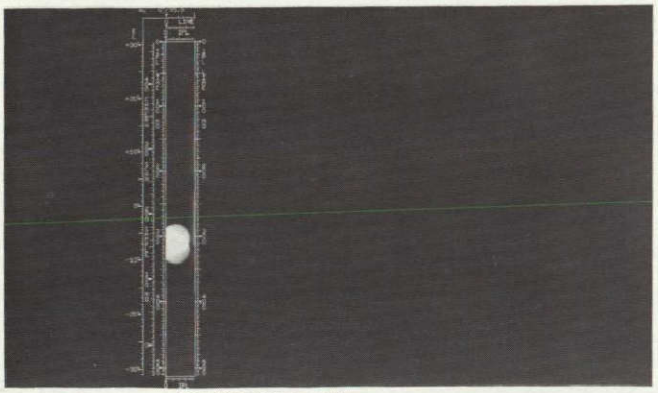
11A158/027 BB4 11A159/027 BB3



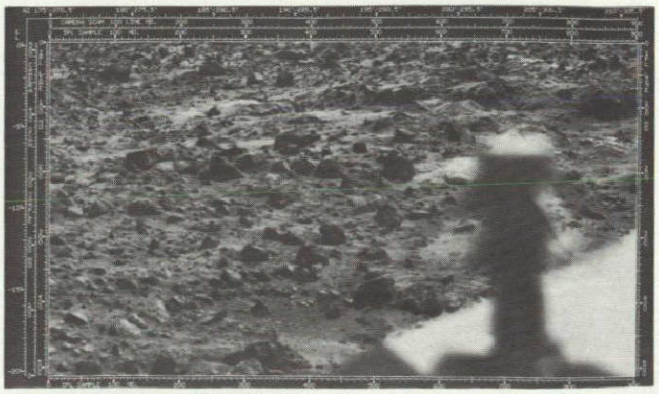
12A160/027 BLU/T 12A160/027 GRN/T 12A160/027 RED/T



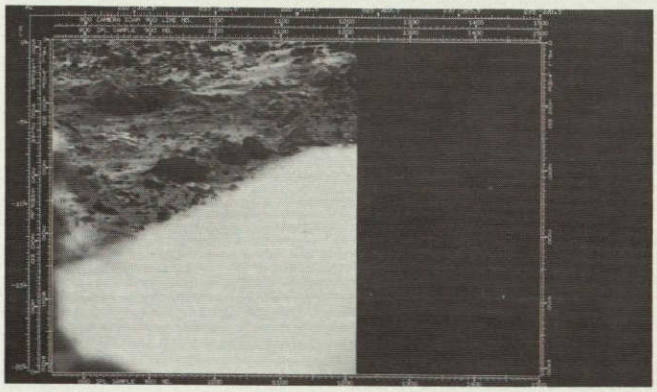
11A161/027 BB1 11A162/027 CAL



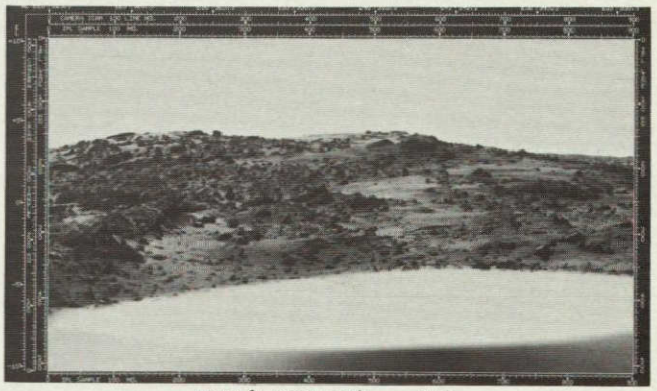
12A163/027 BB1



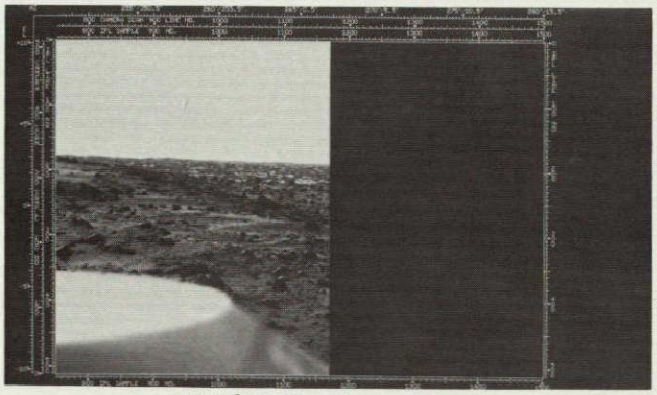
12A164/027 BB4 1/2



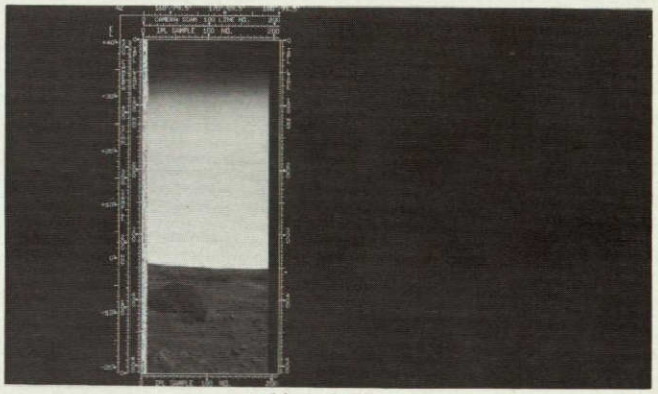
12A164/027 BB4 2/2



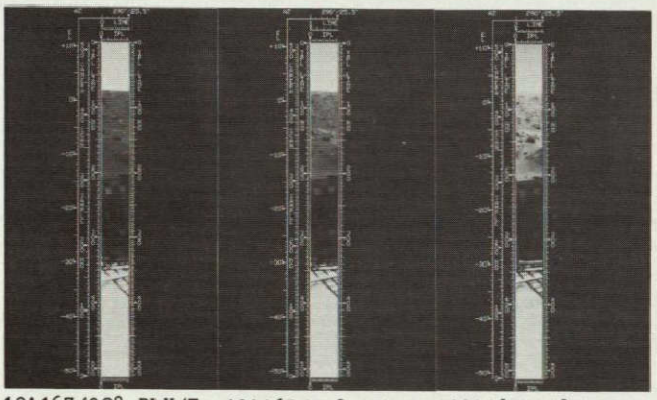
12A165/027 BB4 1/2



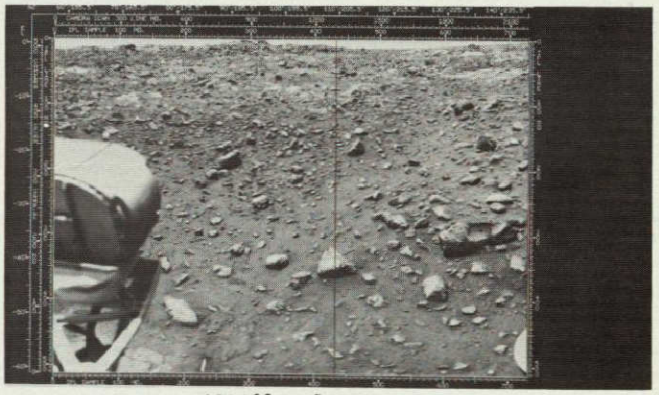
12A165/027 BB4 2/2



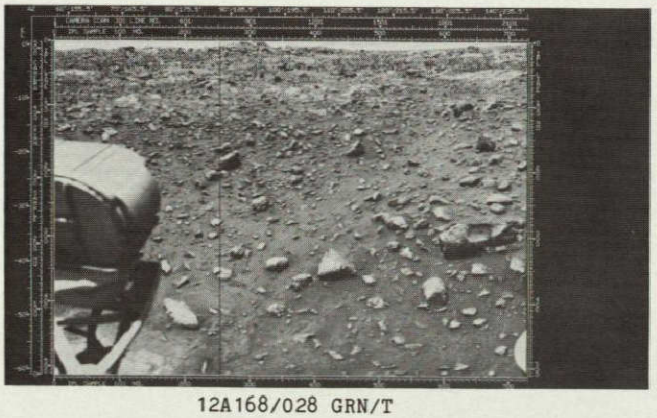
11A166/028 BLU



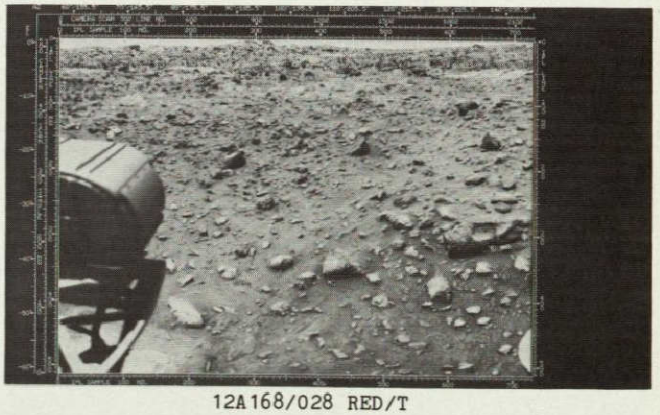
12A167/028 BLU/T 12A167/028 GRN/T 12A167/028 RED/T



12A168/028 BLU/T

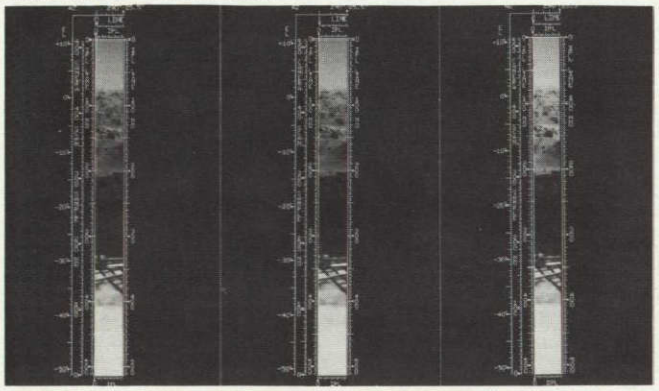


12A168/028 GRN/T



12A168/028 RED/T

12A169/028–11A173/028

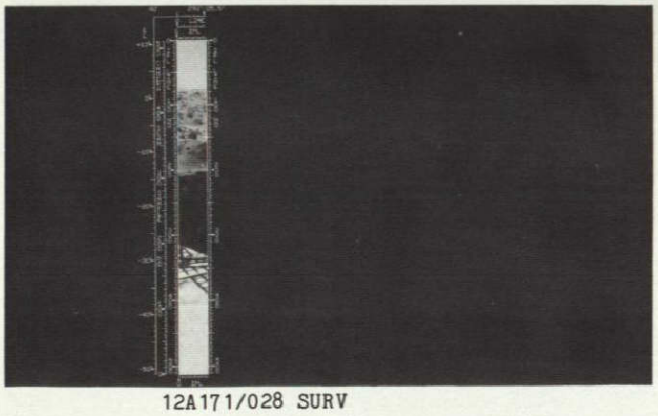


12A169/028 IR3/T 12A169/028 IR2/T 12A169/028 IR1/T

12A170/028 IR3/T

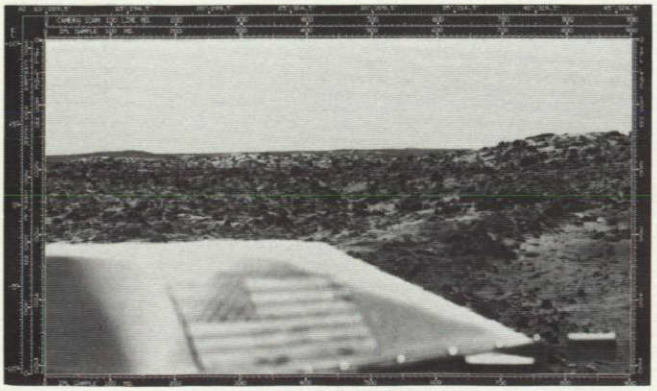
12A170/028 IR2/T

12A170/028 IR1/T



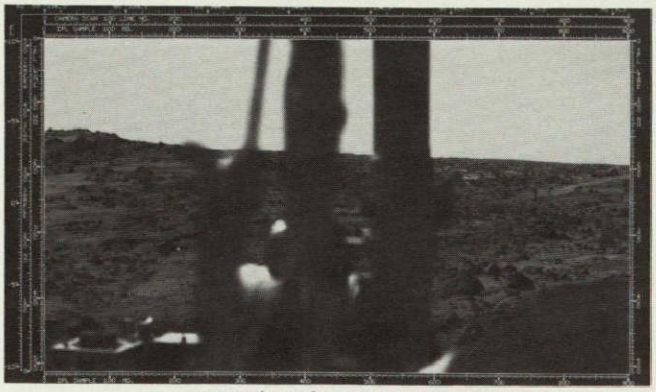
12A171/028 SURV

12A172/028 SURV

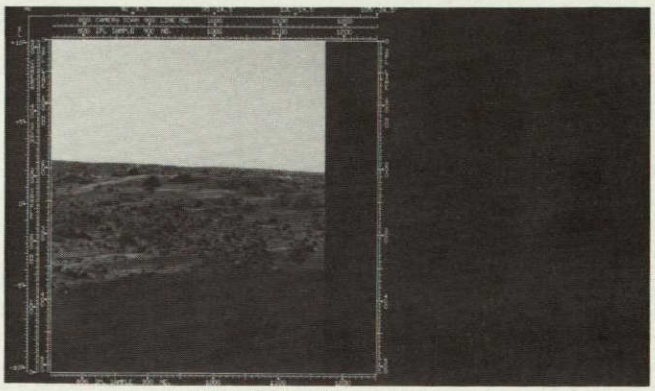


11A173/028 BB4 1/2

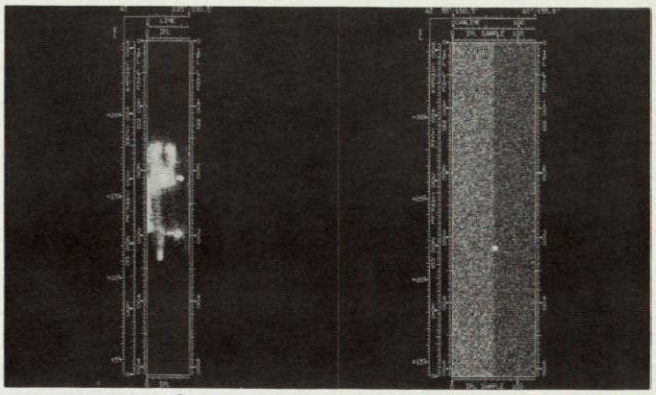
11A173/028 BB4 2/2



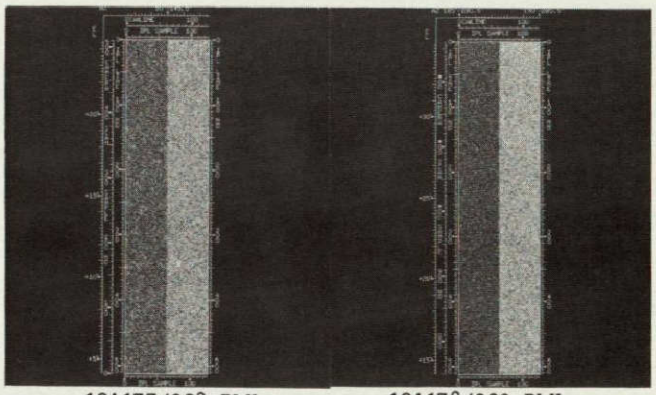
11A174/028 BB4 1/2



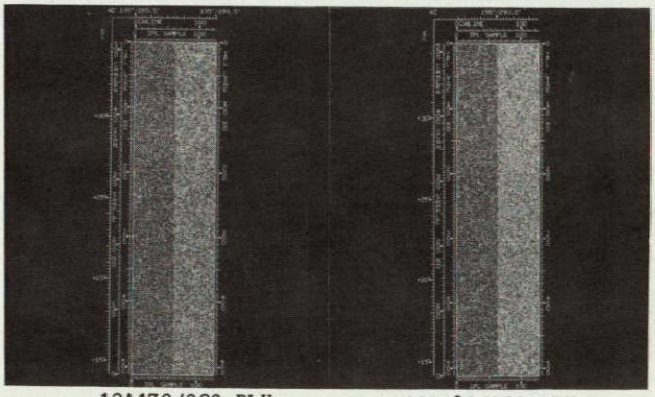
11A174/028 BB4 2/2



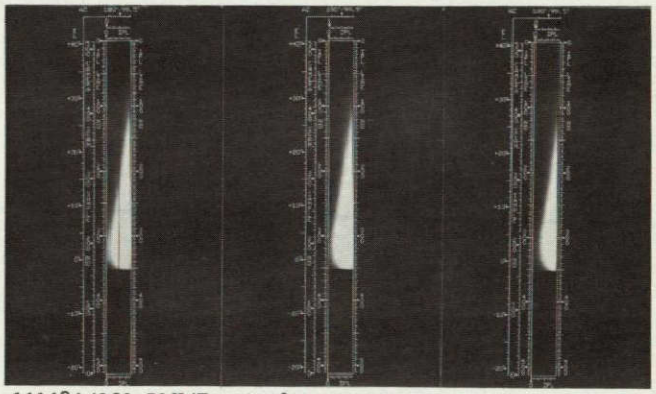
12A175/028 SUN 12A176/028 BLU



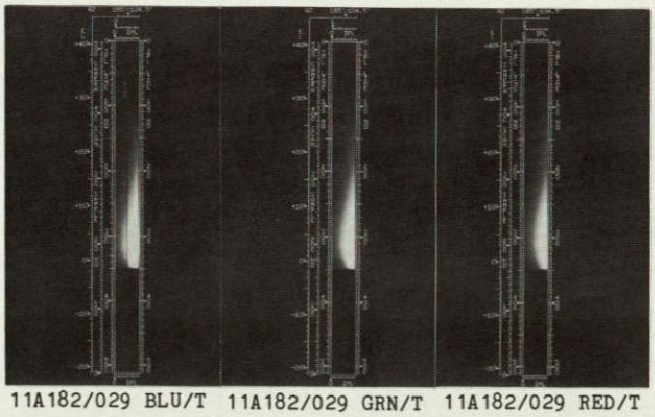
12A177/028 BLU 12A178/029 BLU



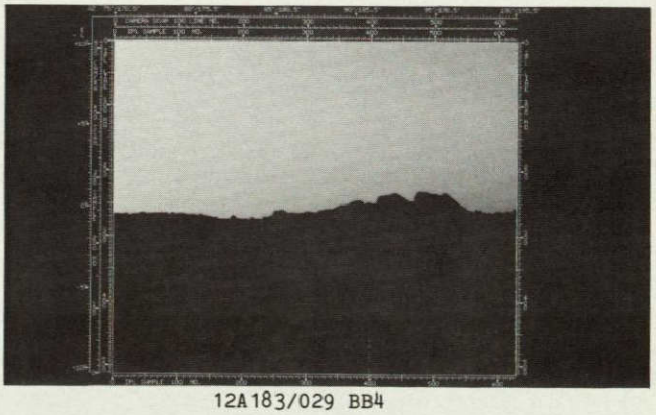
12A179/029 BLU 12A180/029 BLU



11A181/029 BLU/T 11A181/029 GRN/T 11A181/029 RED/T

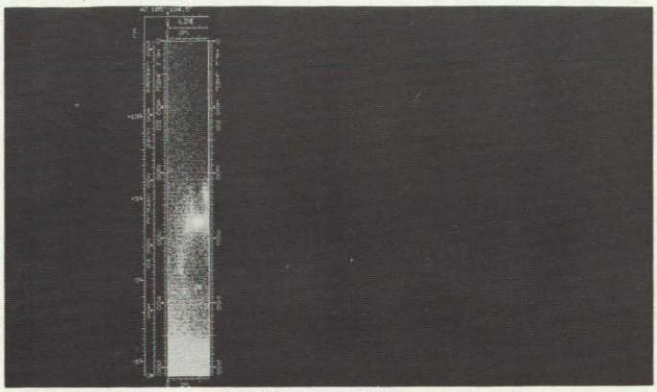


11A182/029 BLU/T 11A182/029 GRN/T 11A182/029 RED/T

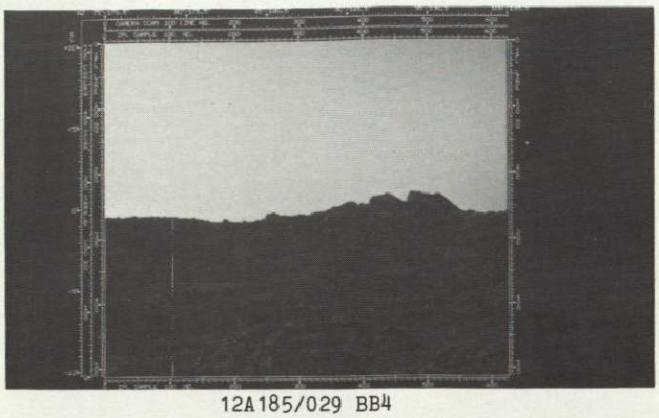


12A183/029 BB4

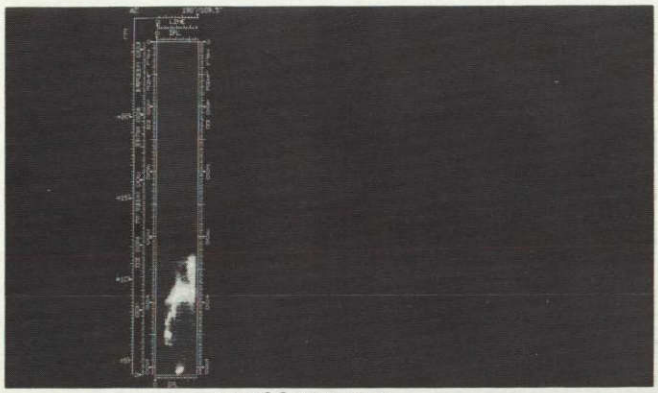
VL-1



11A184/029 SUN



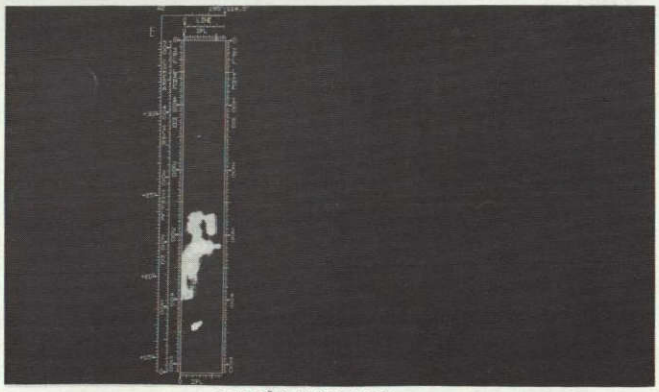
12A185/029 BB4



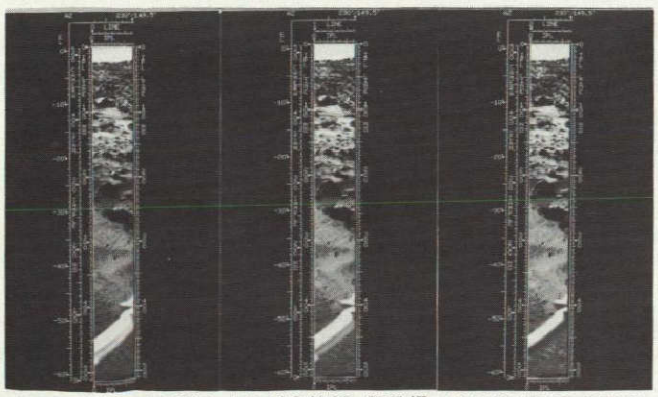
11A186/029 SUN

12A187/029 BB4

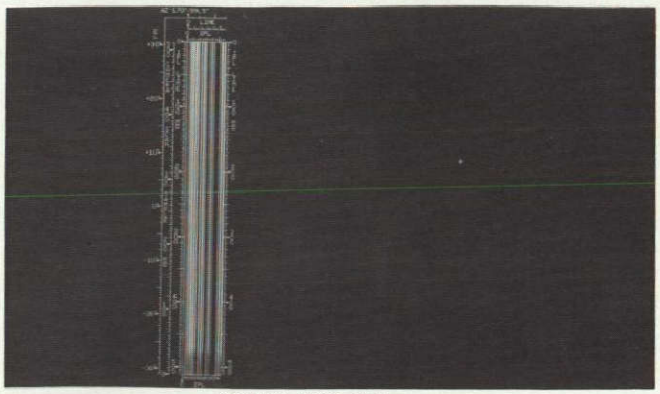
12A188/029 BB4



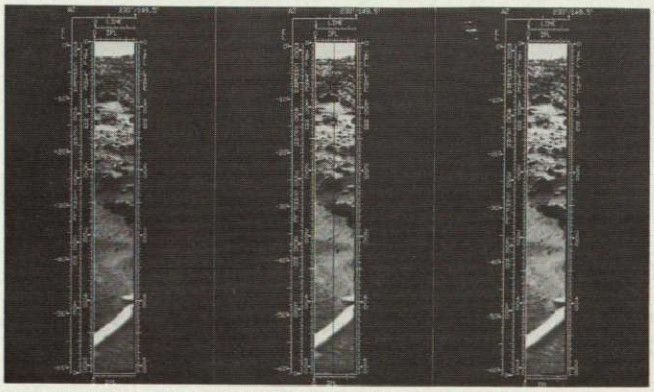
11A189/029 SUN



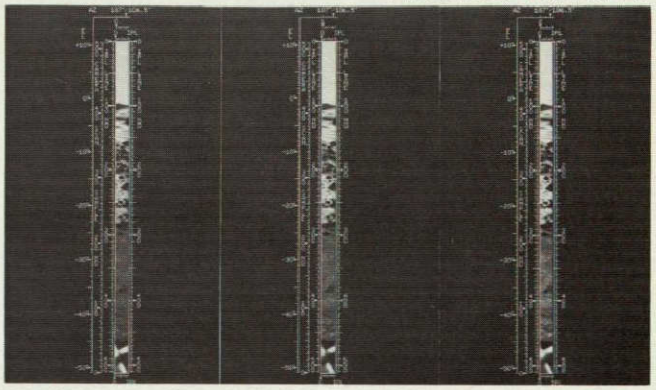
11A190/029 BLU/T 11A190/029 GRN/T 11A190/029 RED/T



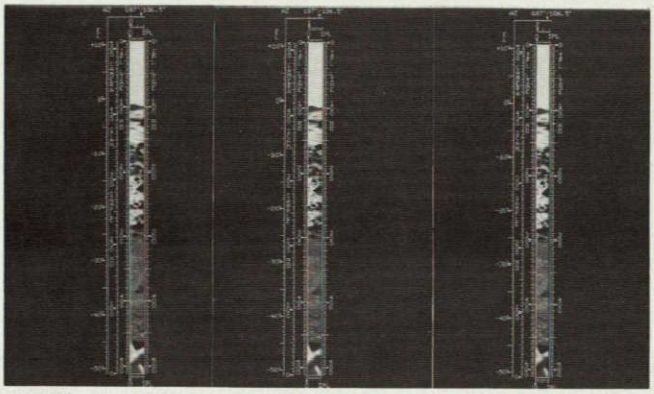
11A191/029 CAL



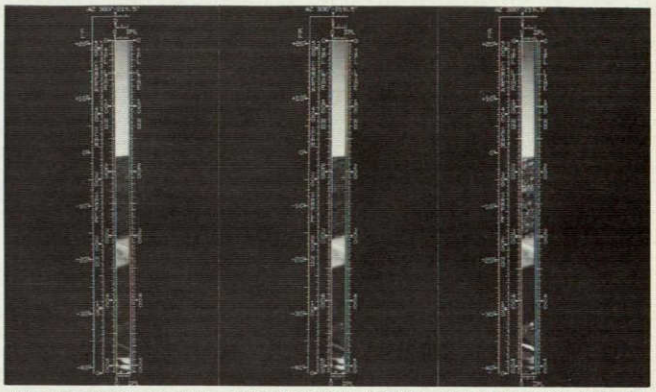
11A192/029 IR3/T 11A192/029 IR2/T 11A192/029 IR1/T



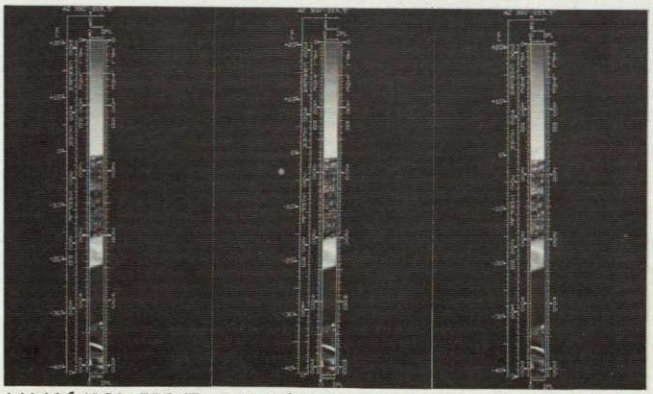
11A193/029 BLU/T 11A193/029 GRN/T 11A193/029 RED/T



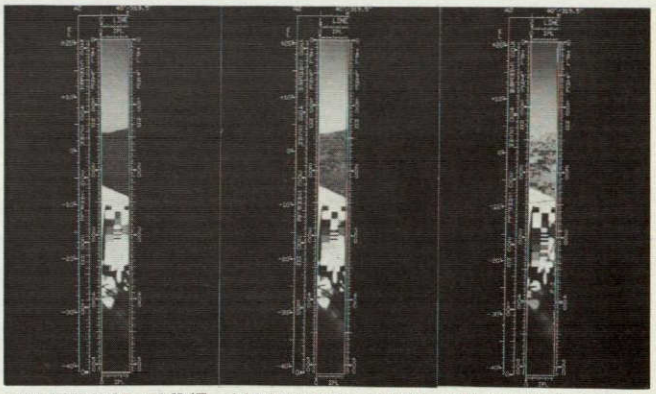
11A194/029 IR3/T 11A194/029 IR2/T 11A194/029 IR1/T



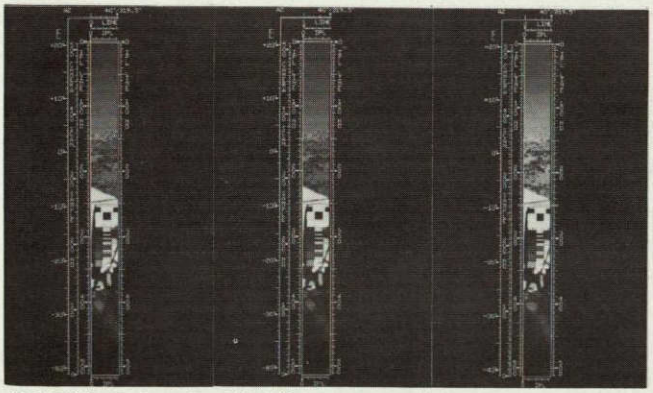
11A195/029 BLU/T 11A195/029 GRN/T 11A195/029 RED/T



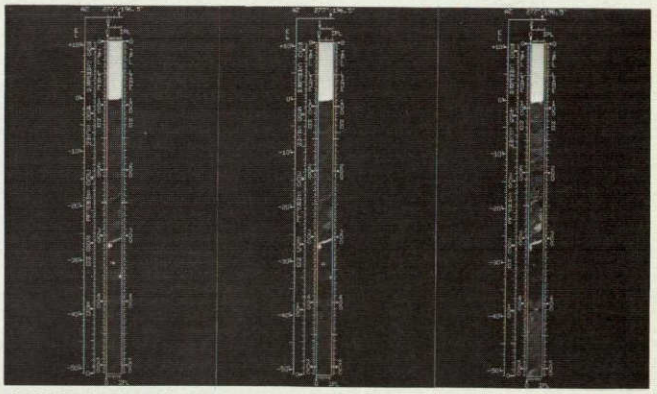
11A196/029 IR3/T 11A196/029 IR2/T 11A196/029 IR1/T



11A197/029 BLU/T 11A197/029 GRN/T 11A197/029 RED/T

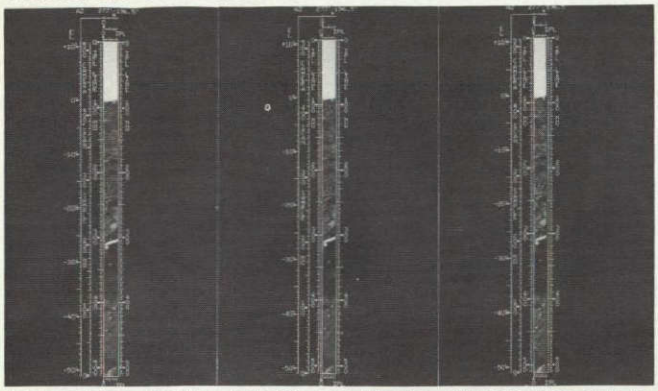


11A198/029 IR3/T 11A198/029 IR2/T 11A198/029 IR1/T

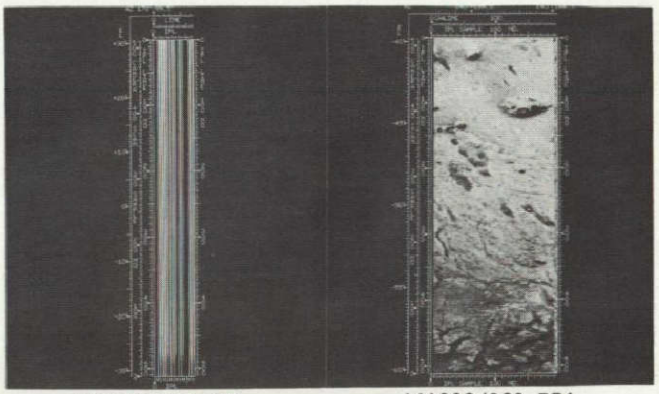


11A199/029 BLU/T 11A199/029 GRN/T 11A199/029 RED/T

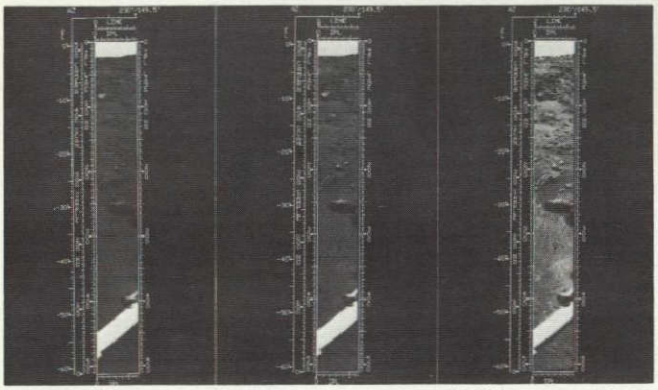
VL-1



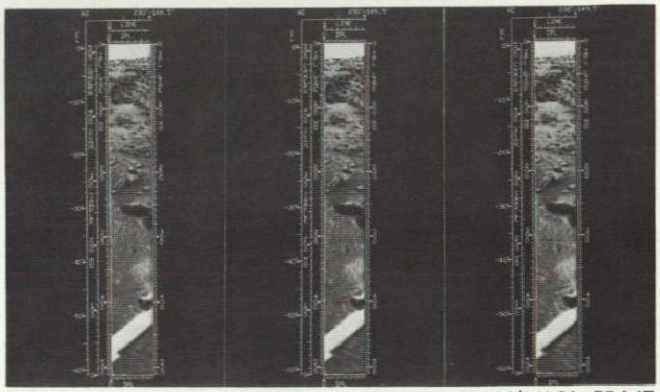
11A200/029 IR3/T 11A200/029 IR2/T 11A200/029 IR1/T



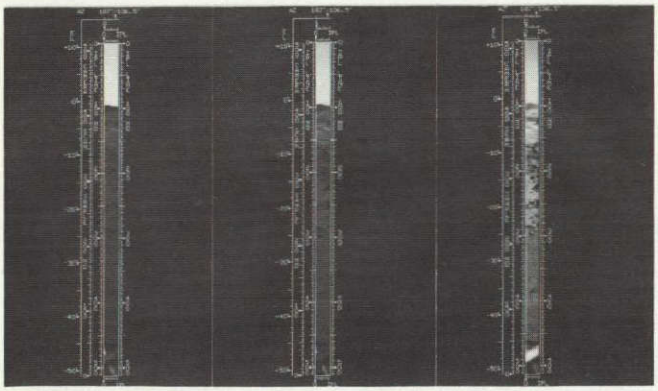
11A201/029 CAL 11A202/029 BB1



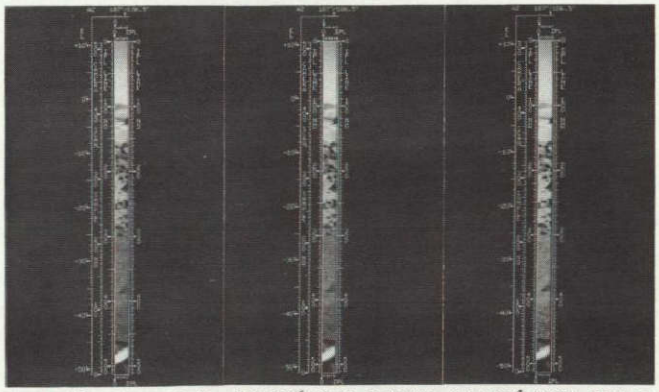
11A203/029 BLU/T 11A203/029 GRN/T 11A203/029 RED/T



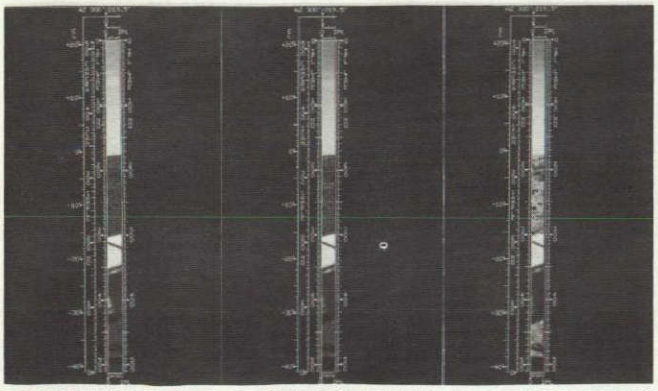
11A204/029 IR3/T 11A204/029 IR2/T 11A204/029 IR1/T



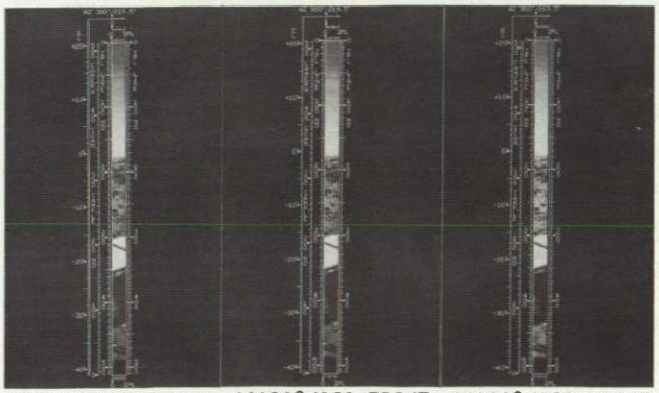
11A205/029 BLU/T 11A205/029 GRN/T 11A205/029 RED/T



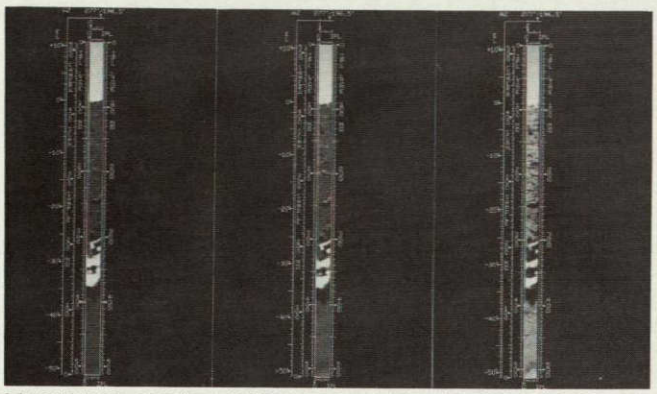
11A206/029 IR3/T 11A206/029 IR2/T 11A206/029 IR1/T



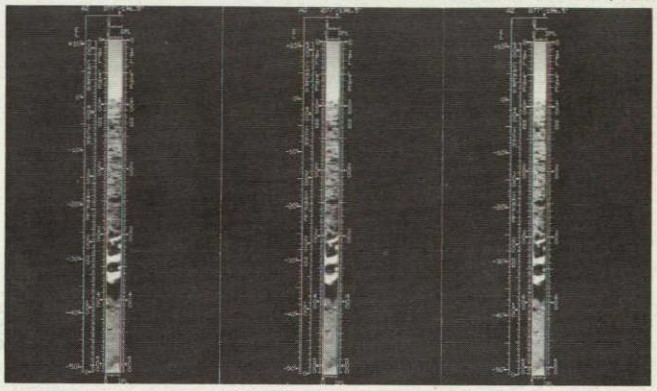
11A207/029 BLU/T 11A207/029 GRN/T 11A207/029 RED/T



11A208/029 IR3/T 11A208/029 IR2/T 11A208/029 IR1/T

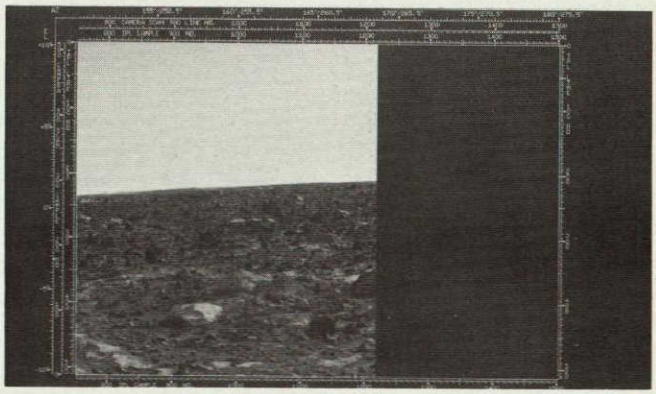


11A209/029 BLU/T 11A209/029 GRN/T 11A209/029 RED/T



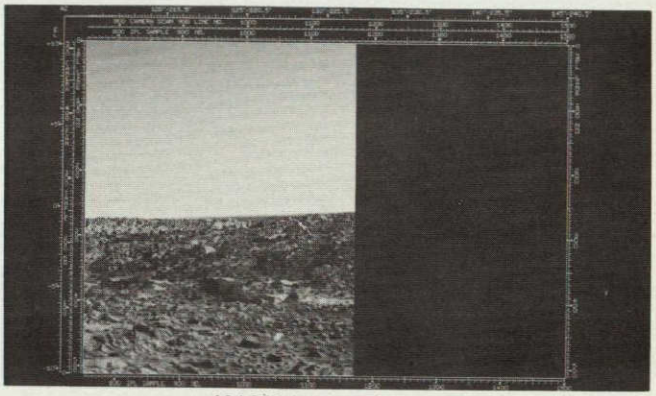
11A210/029 IR3/T 11A210/029 IR2/T 11A210/029 IR1/T

12A211/029 BB4 1/2

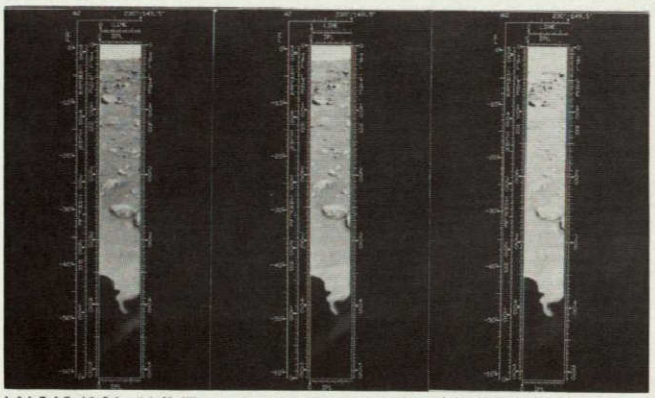


12A211/029 BB4 2/2

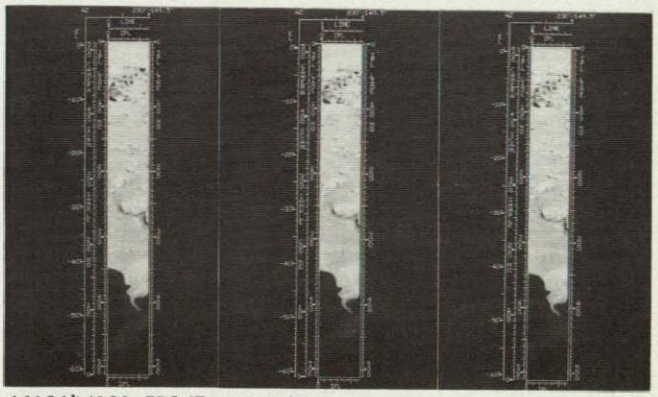
12A212/029 BB4 1/2



12A212/029 BB4 2/2

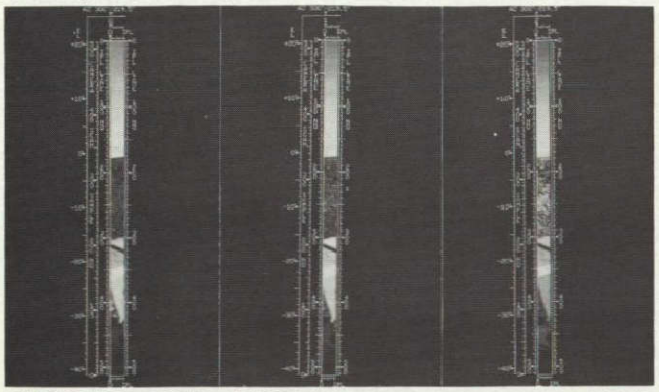


11A213/029 BLU/T 11A213/029 GRN/T 11A213/029 RED/T

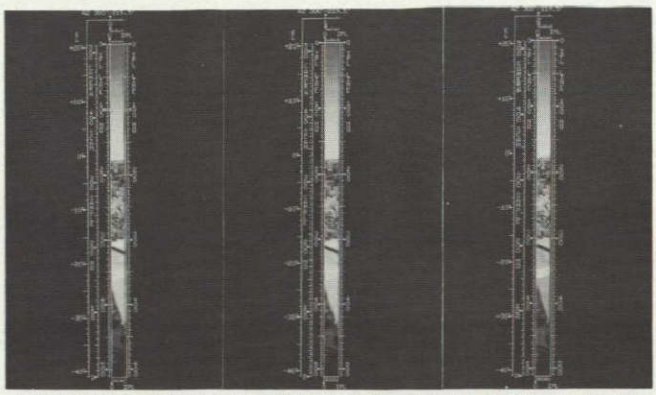


11A214/029 IR3/T 11A214/029 IR2/T 11A214/029 IR1/T

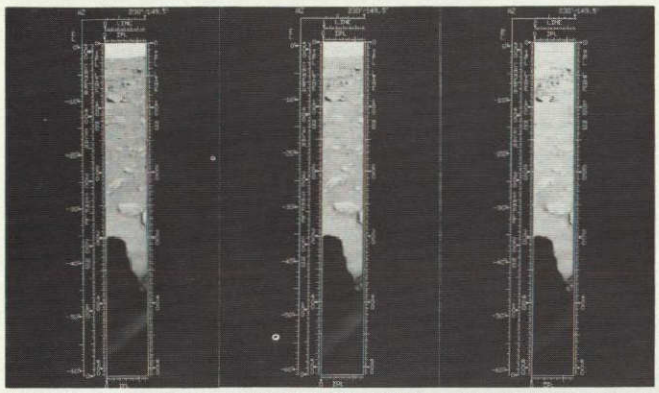
VL-1



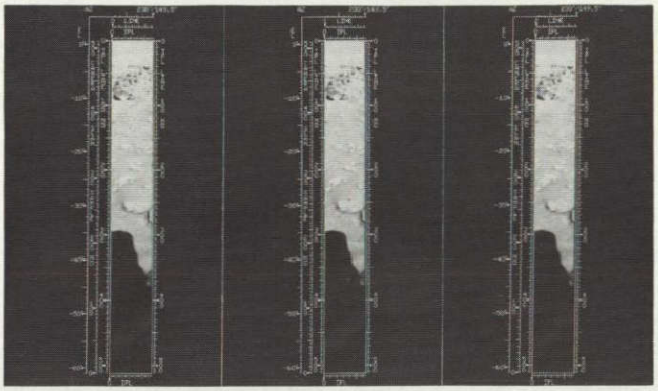
11A215/029 BLU/T 11A215/029 GRN/T 11A215/029 RED/T



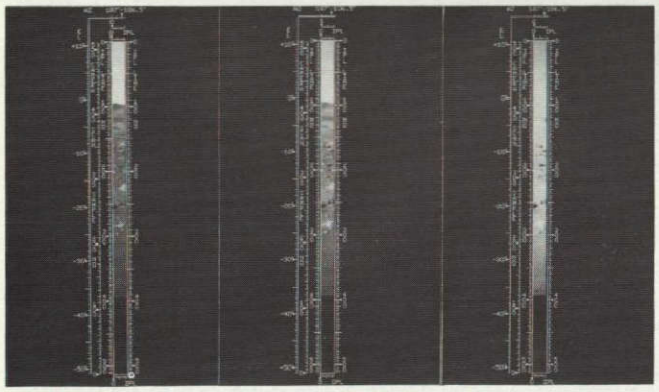
11A216/029 IR3/T 11A216/029 IR2/T 11A216/029 IR1/T



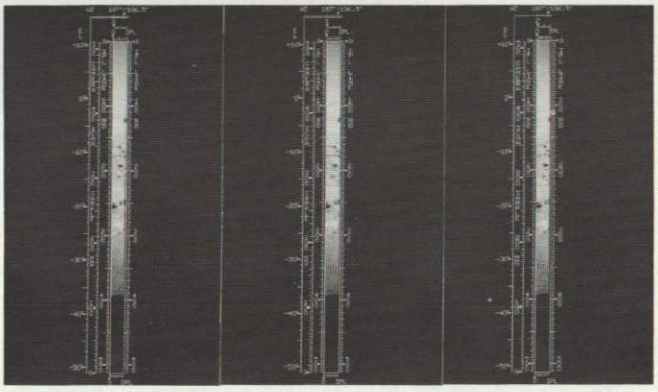
11A217/029 BLU/T 11A217/029 GRN/T 11A217/029 RED/T



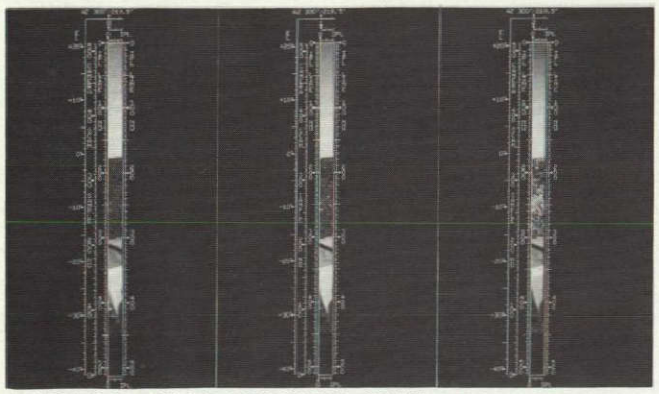
11A218/029 IR3/T 11A218/029 IR2/T 11A218/029 IR1/T



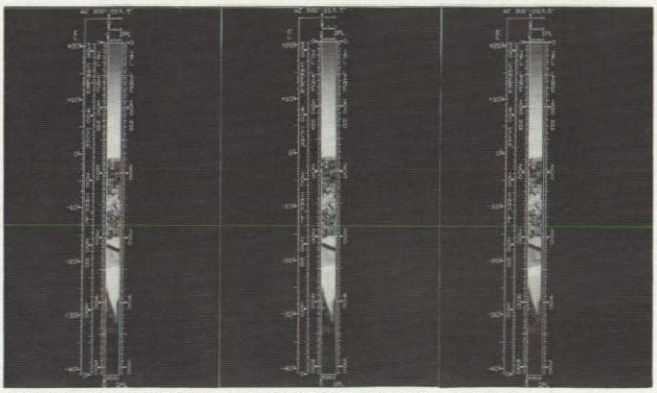
11A219/029 BLU/T 11A219/029 GRN/T 11A219/029 RED/T



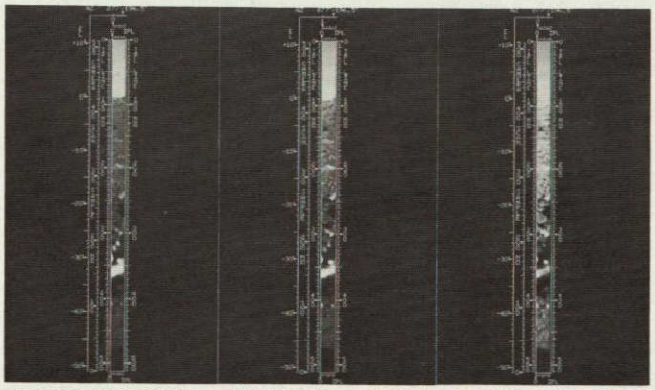
11A220/029 IR3/T 11A220/029 IR2/T 11A220/029 IR1/T



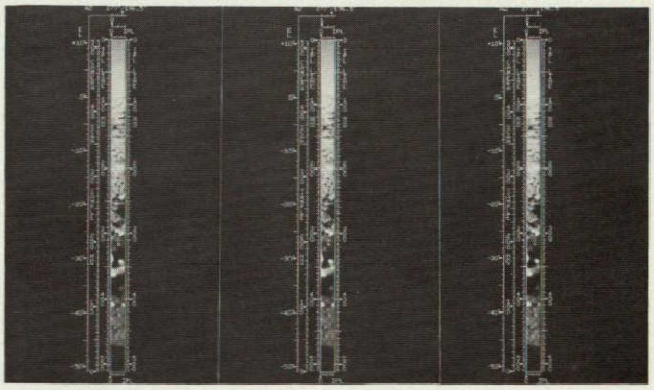
11A221/029 BLU/T 11A221/029 GRN/T 11A221/029 RED/T



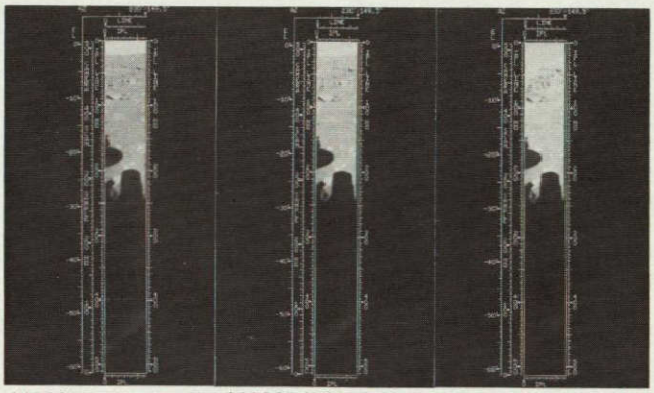
11A222/029 IR3/T 11A222/029 IR2/T 11A222/029 IR1/T



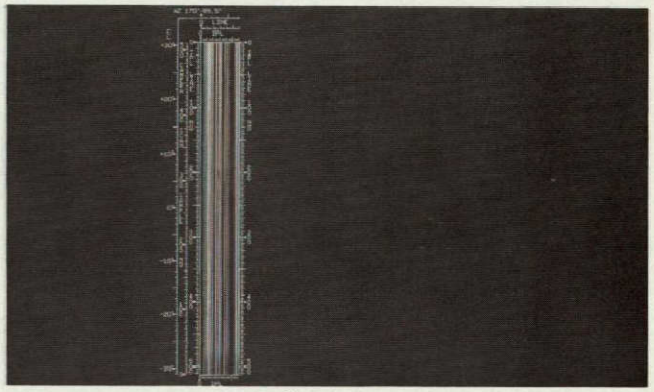
11A223/029 BLU/T 11A223/029 GRN/T 11A223/029 RED/T



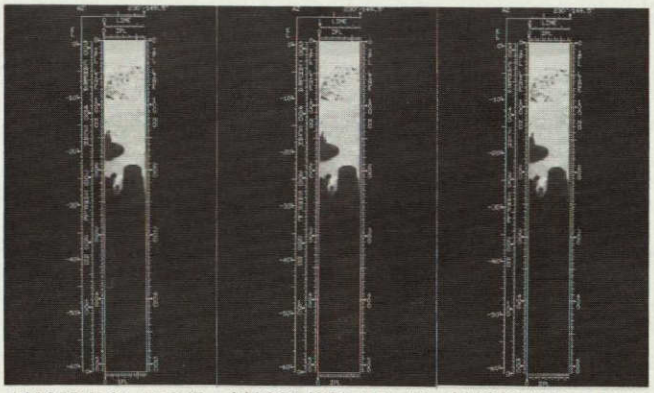
11A224/029 IR3/T 11A224/029 IR2/T 11A224/029 IR1/T



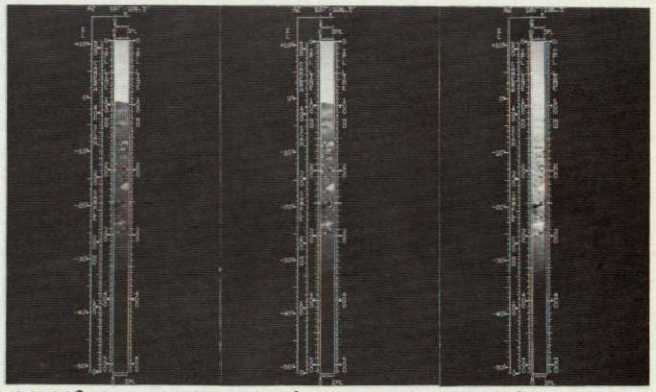
11A225/029 BLU/T 11A225/029 GRN/T 11A225/029 RED/T



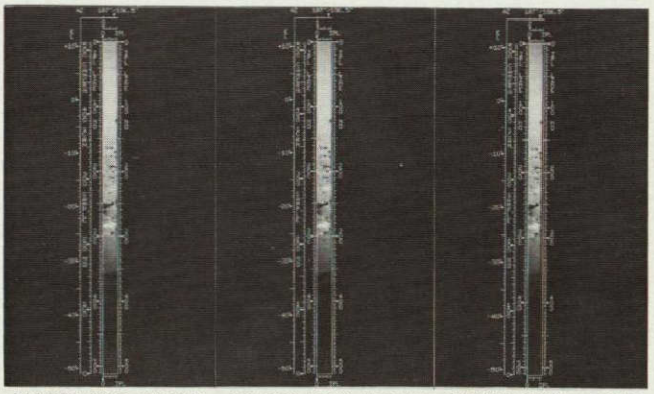
11A226/029 CAL



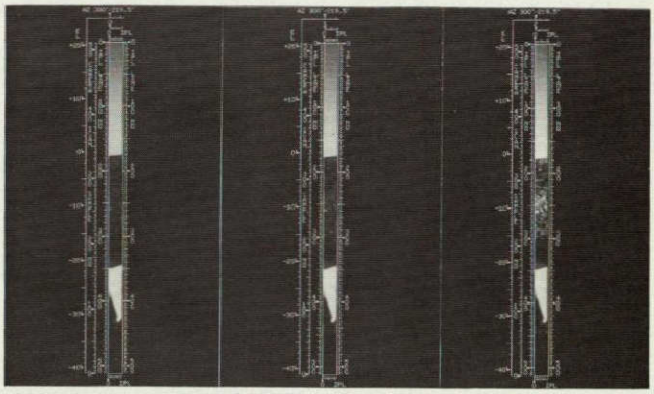
11A227/029 IR3/T 11A227/029 IR2/T 11A227/029 IR1/T



11A228/029 BLU/T 11A228/029 GRN/T 11A228/029 RED/T

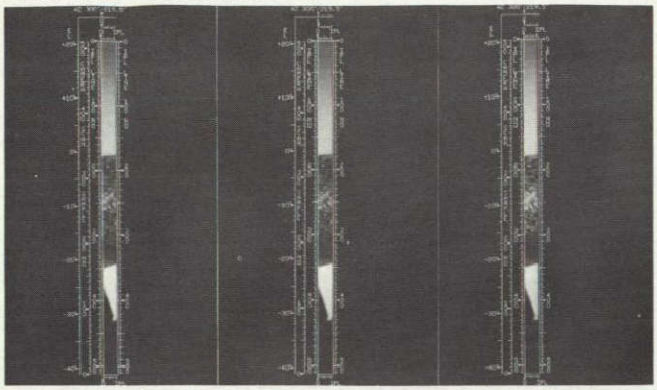


11A229/029 IR3/T 11A229/029 IR2/T 11A229/029 IR1/T

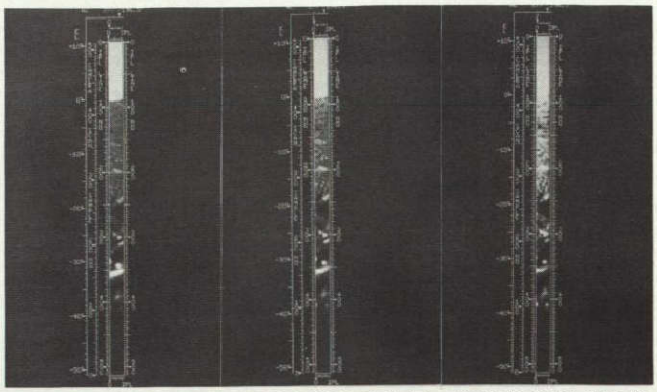


11A230/029 BLU/T 11A230/029 GRN/T 11A230/029 RED/T

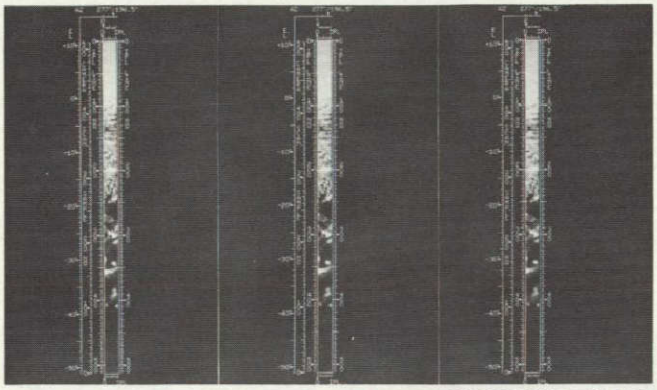
VL-1



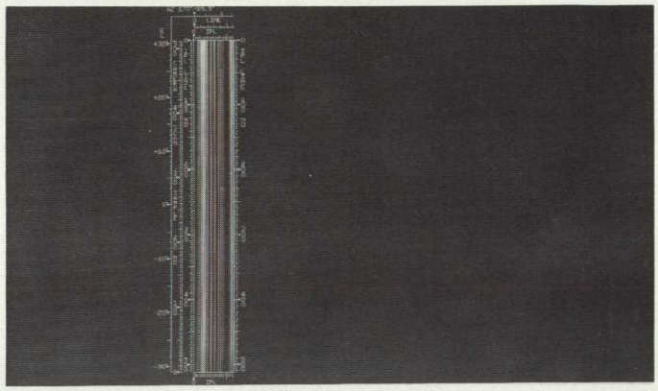
11A231/029 IR3/T 11A231/029 IR2/T 11A231/029 IR1/T



11A232/029 BLU/T 11A232/029 GRN/T 11A232/029 RED/T

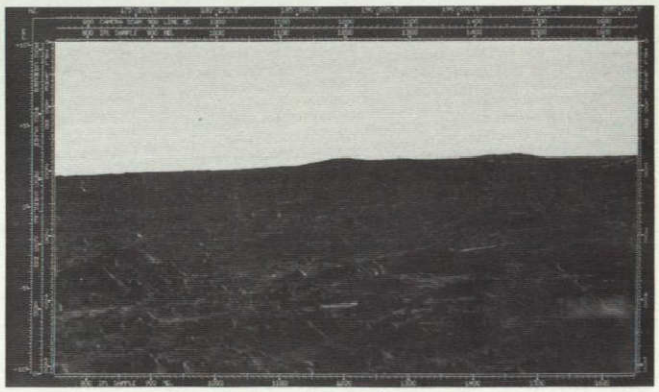


11A233/029 IR3/T 11A233/029 IR2/T 11A233/029 IR1/T

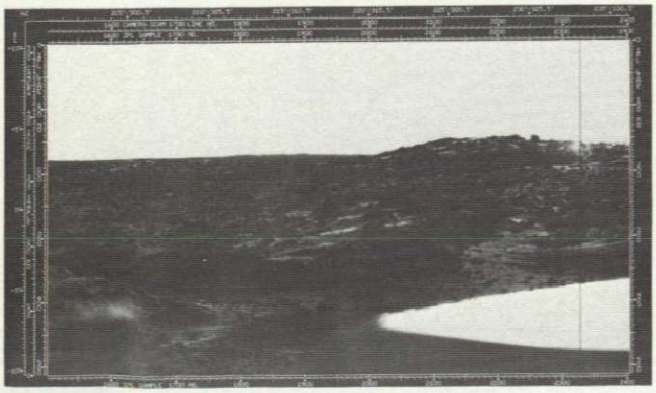


11A234/029 CAL

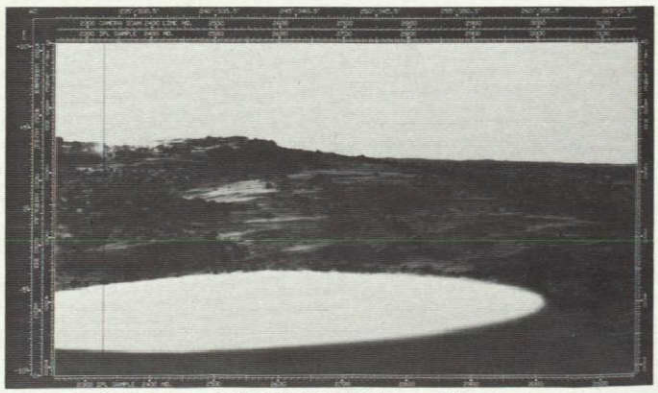
12A235/029 BB4 1/5



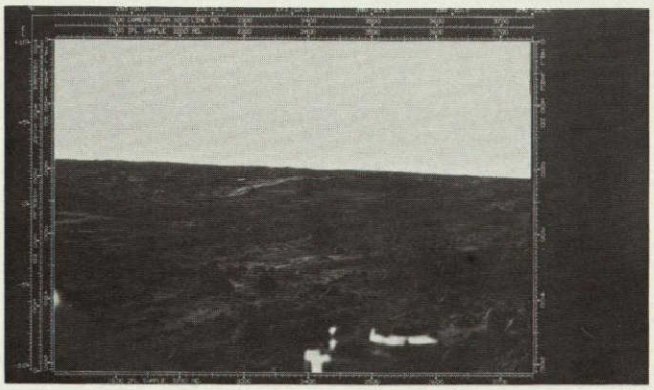
12A235/029 BB4 2/5



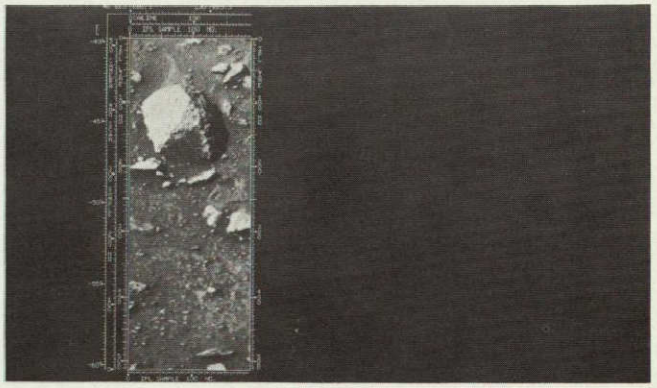
12A235/029 BB4 3/5



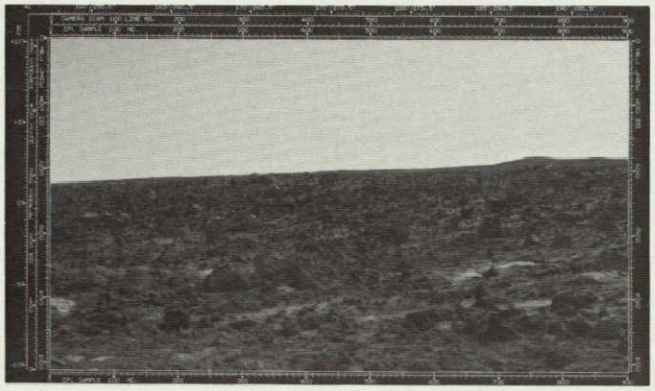
12A235/029 BB4 4/5



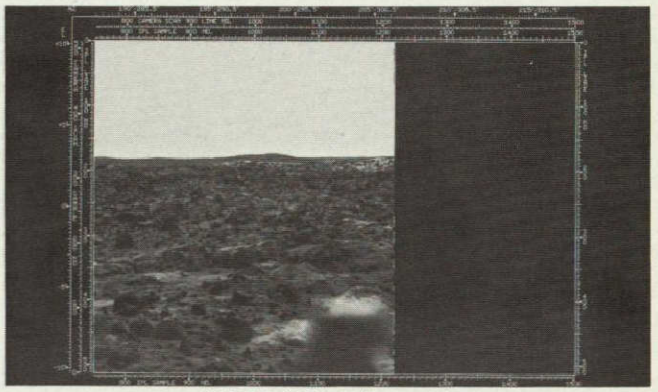
12A235/029 BB4 5/5



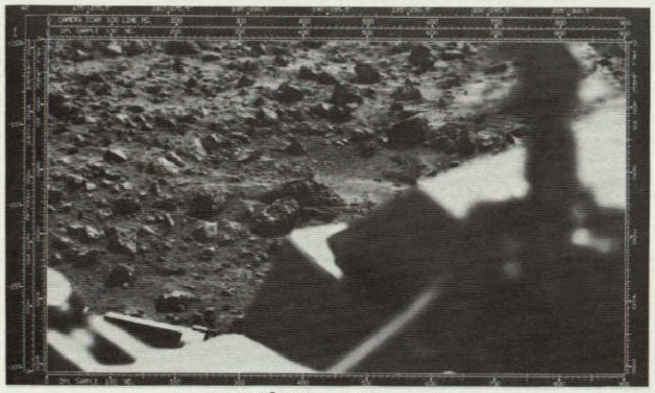
12A236/030 BB1



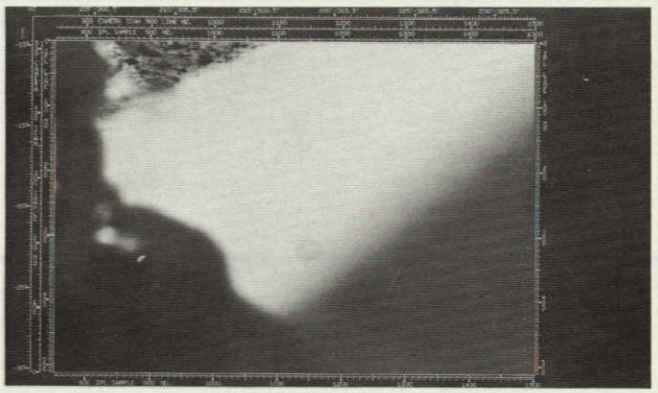
12A237/030 BB4 1/2



12A237/030 BB4 2/2

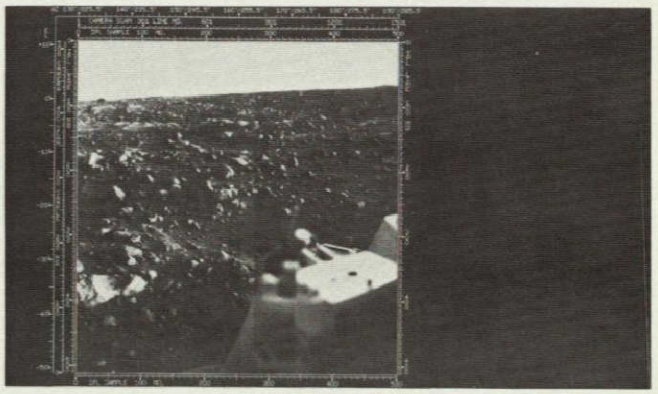


12A238/030 BB2 1/2



12A238/030 BB2 2/2

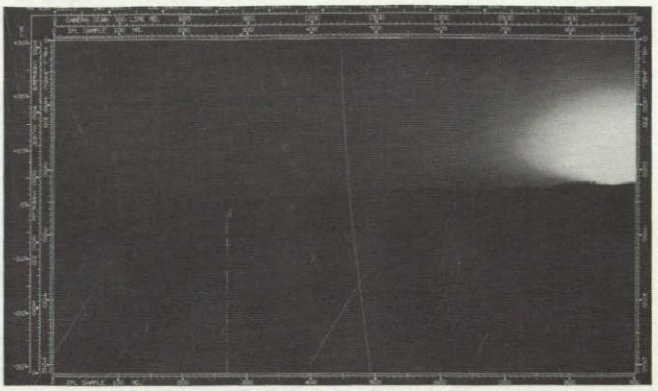
12A239/030 BLU/T



12A239/030 GRN/T

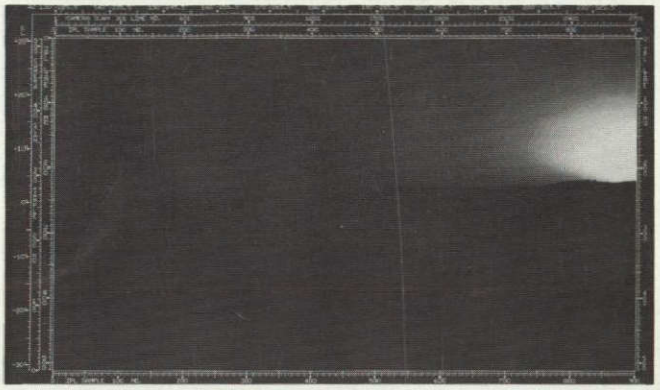
VL-1

12A239/030 RED/T



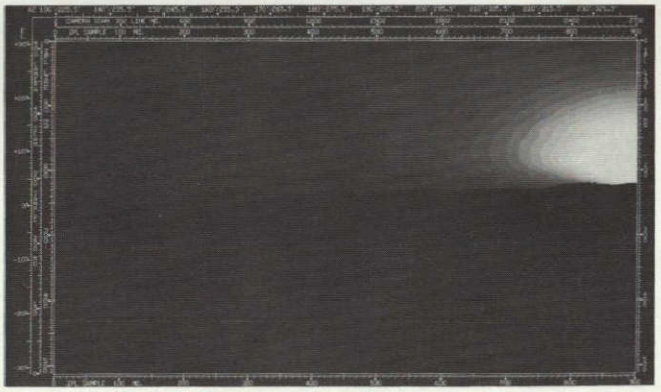
12A240/030 BLU/T 1/2

12A240/030 BLU/T 2/2

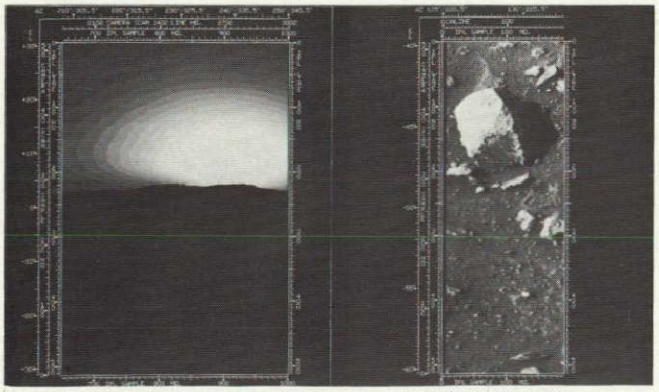


12A240/030 GRN/T 1/2

12A240/030 GRN/T 2/2

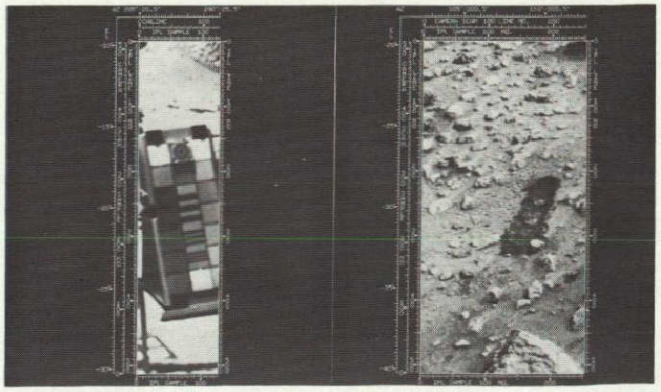


12A240/030 RED/T 1/2



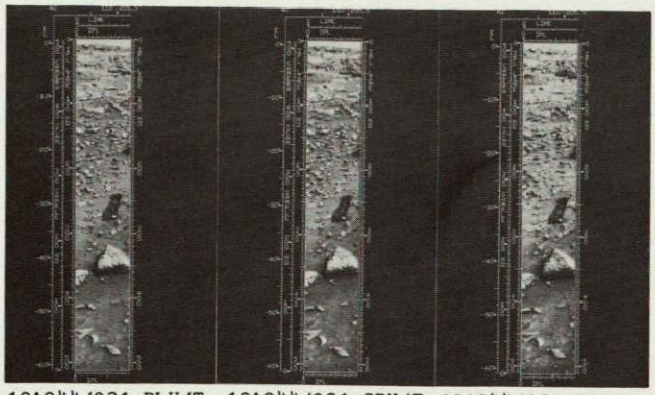
12A240/030 RED/T 2/2

12A241/031 BB1

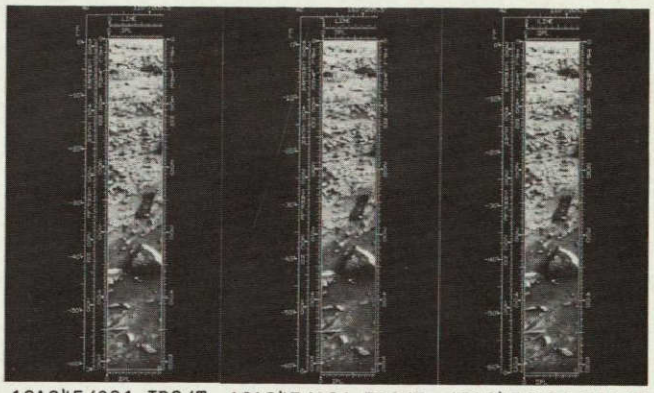


12A242/031 BB1

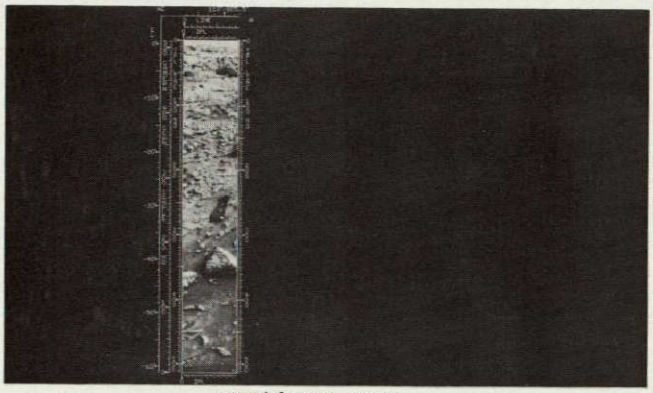
12A243/031 BB2



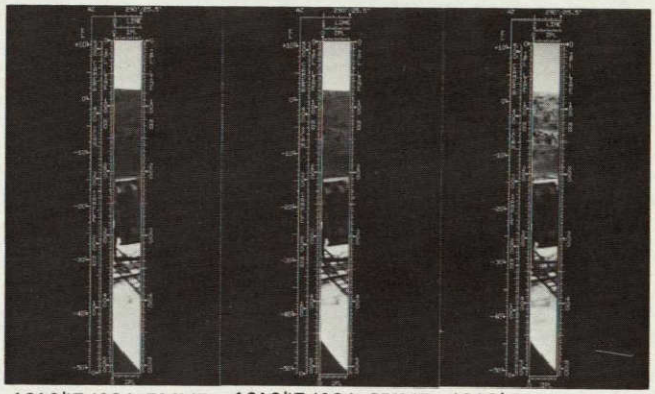
12A244/031 BLU/T 12A244/031 GRN/T 12A244/031 RED/T



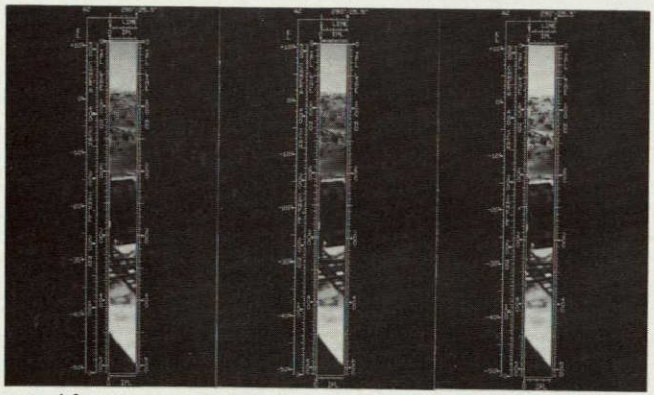
12A245/031 IR3/T 12A245/031 IR2/T 12A245/031 IR1/T



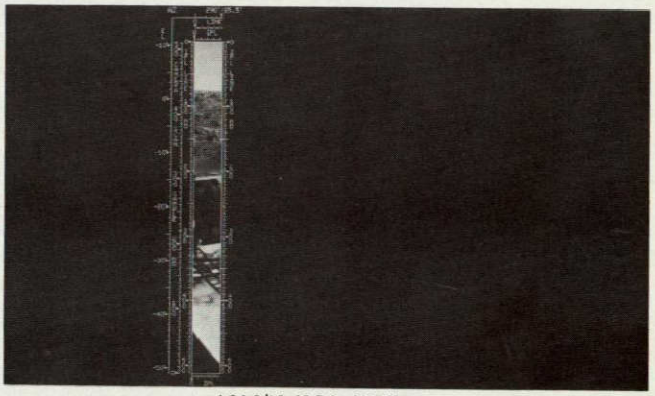
12A246/031 SURV



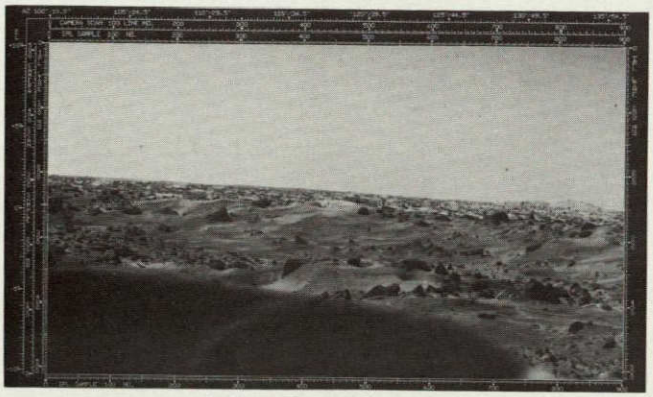
12A247/031 BLU/T 12A247/031 GRN/T 12A247/031 RED/T



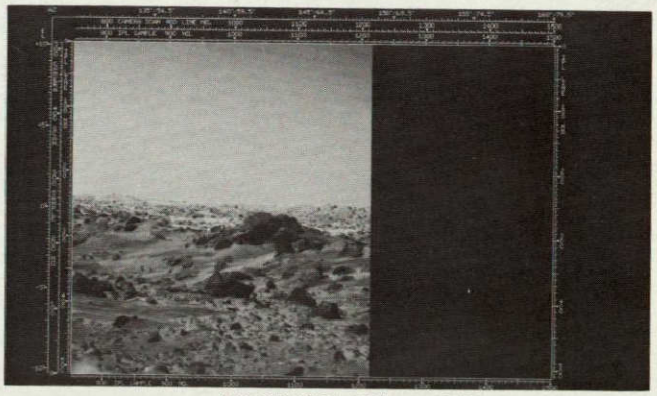
12A248/031 IR3/T 12A248/031 IR2/T 12A248/031 IR1/T



12A249/031 SURV



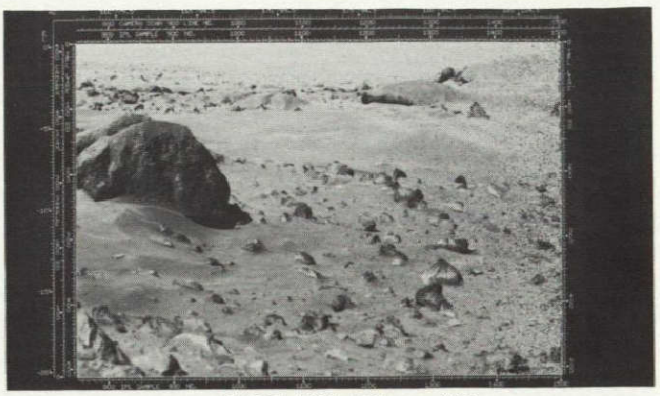
11A250/031 BB4 1/2



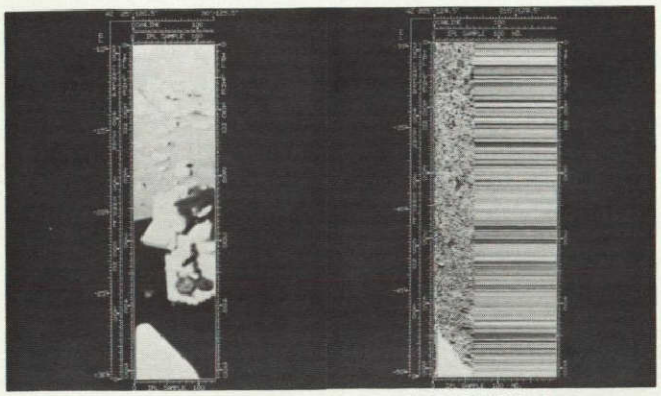
11A250/031 BB4 2/2

11A251/031–12B000/032

11A251/031 BB4 1/2

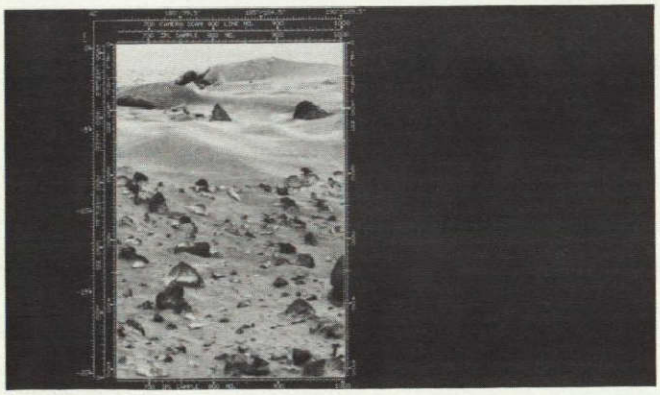


11A251/031 BB4 2/2

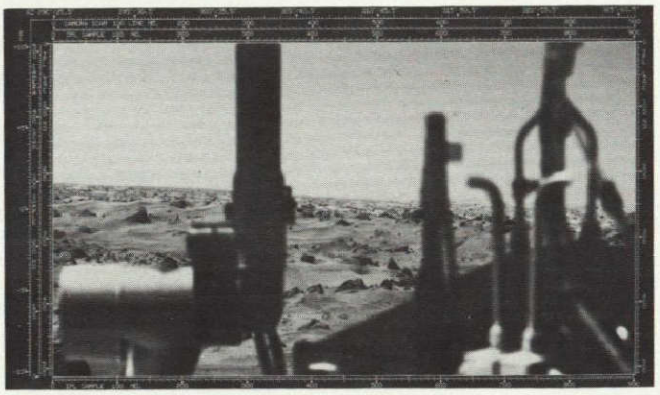


12A252/031 BB1 11A253/032 BB1

11A254/032 BB4 1/2

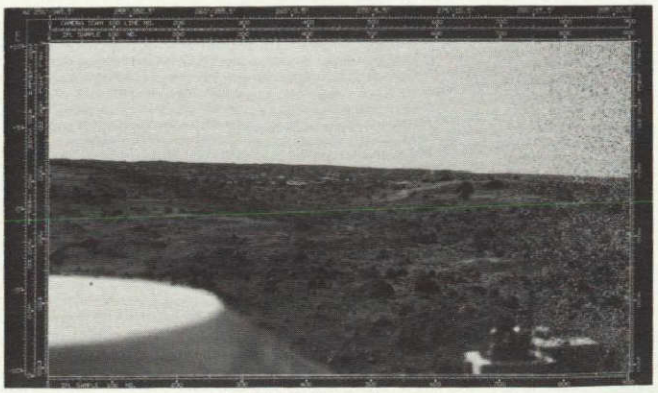


11A254/032 BB4 2/2

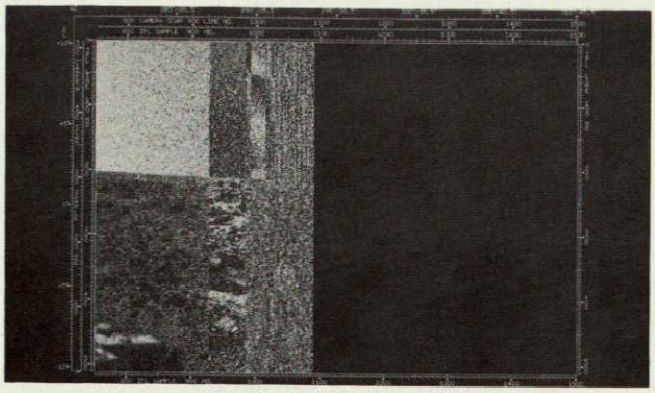


12A255/032 BB4 1/2

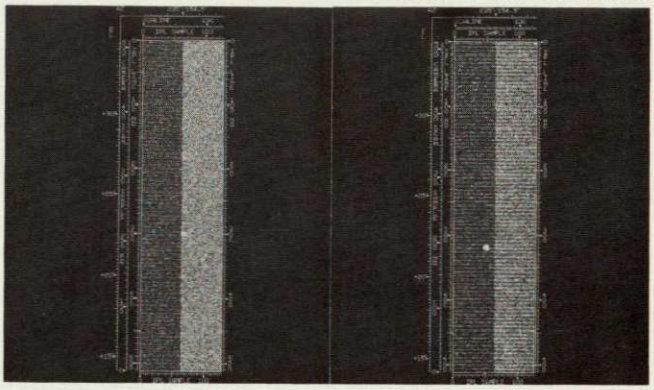
12A255/032 BB4 2/2



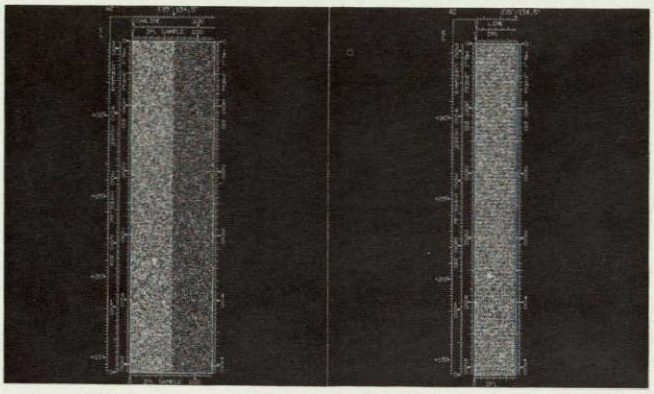
12B000/032 BB4 1/2



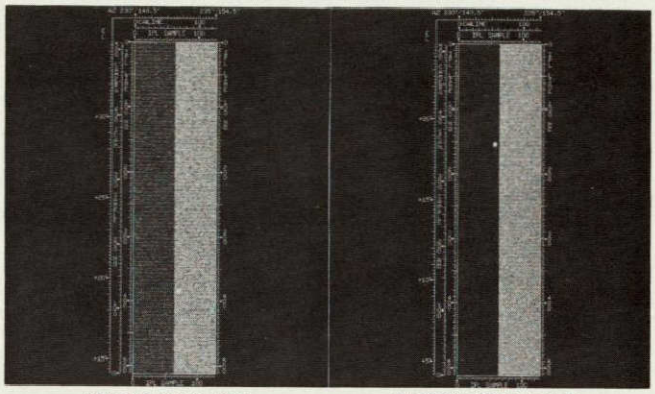
12B000/032 BB4 2/2



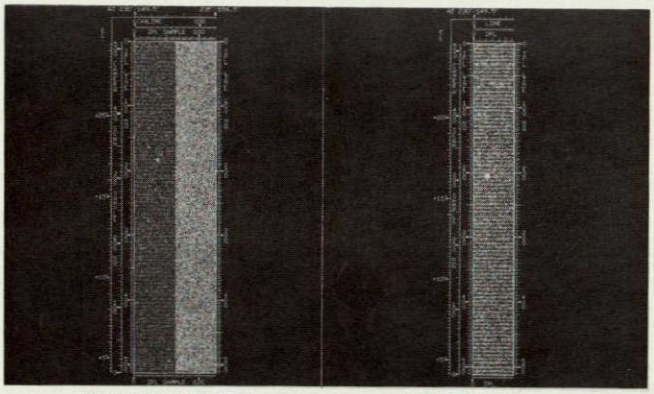
11B001/032 IR2 11B002/032 RED



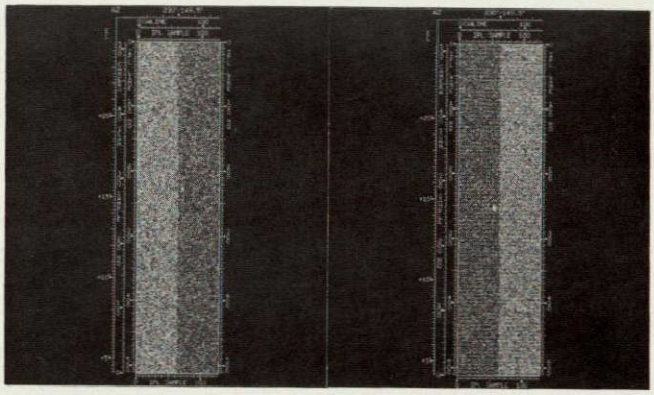
11B003/032 BLU 11B004/032 IR3



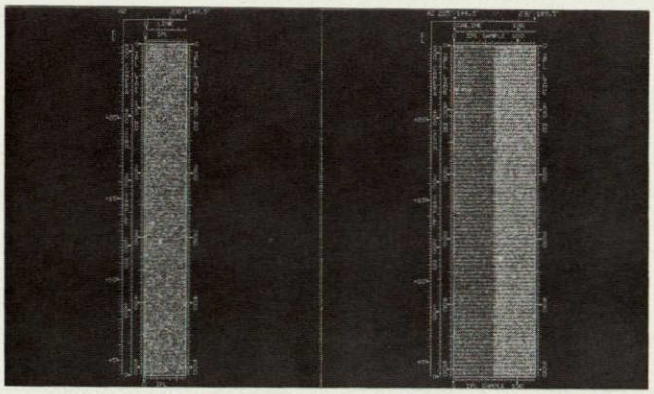
11B005/032 IR1 11B006/032 SURV



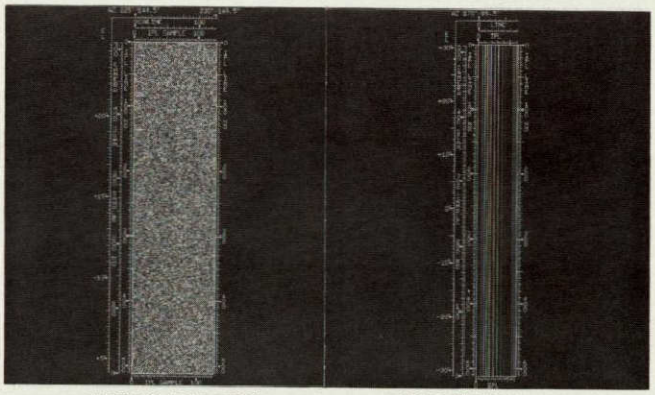
11B007/032 IR2 11B008/032 RED



11B009/032 BLU 11B010/032 GRN

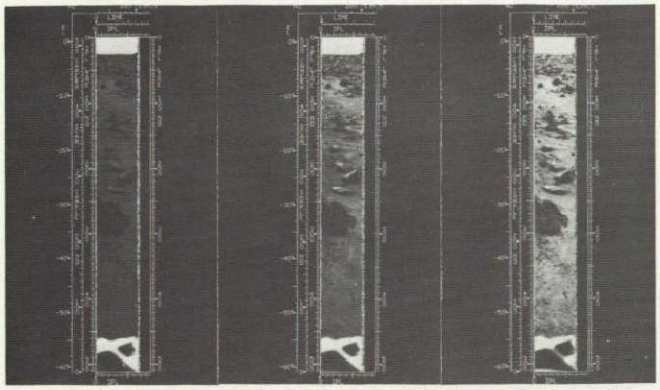


11B011/032 IR2 11B012/032 RED

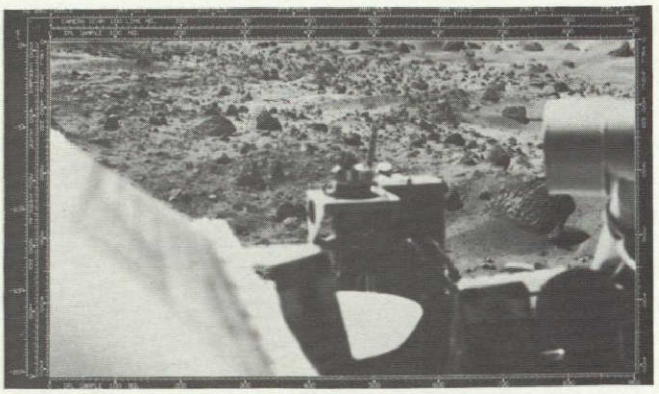


11B013/032 BLU 11B014/032 CAL

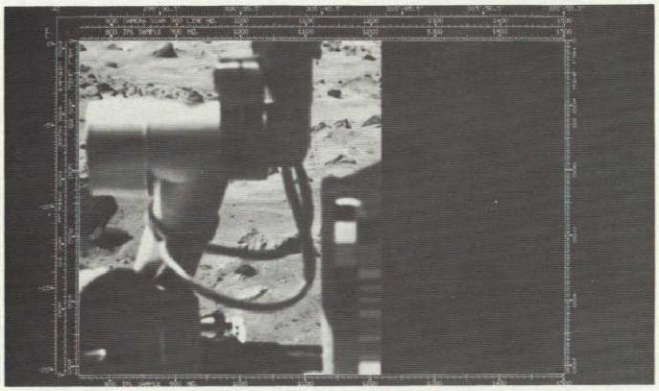
VL-1



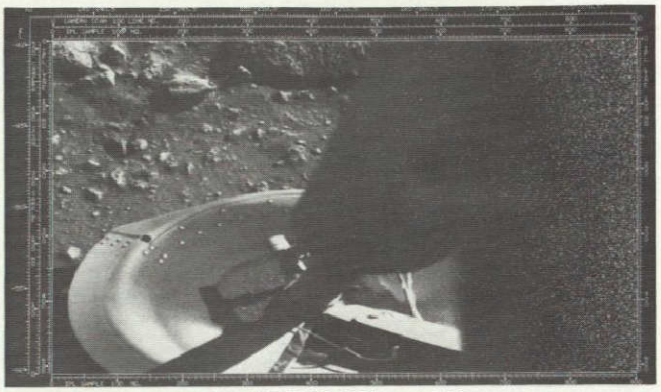
11B015/033 BLU/T 11B015/033 GRN/T 11B015/033 RED/T



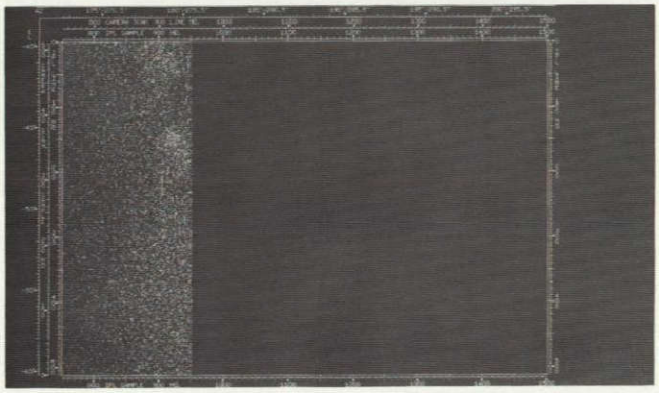
12B016/033 BB3 1/2



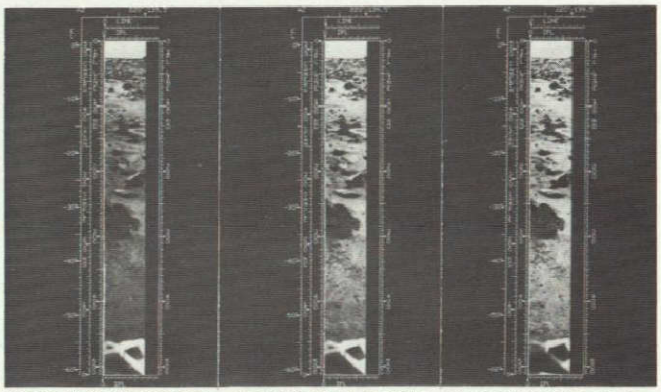
12B016/033 BB3 2/2



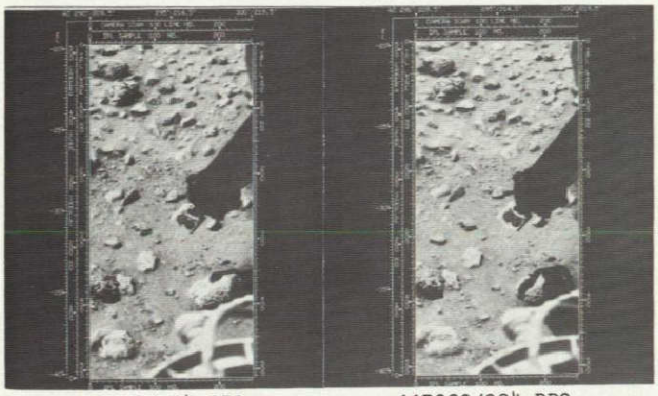
12B017/033 BB1 1/2



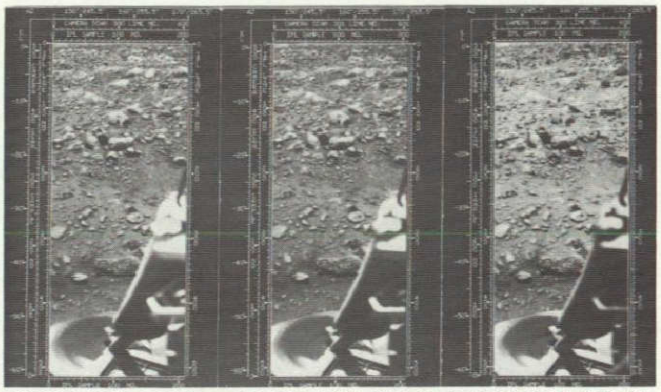
12B017/033 BB1 2/2



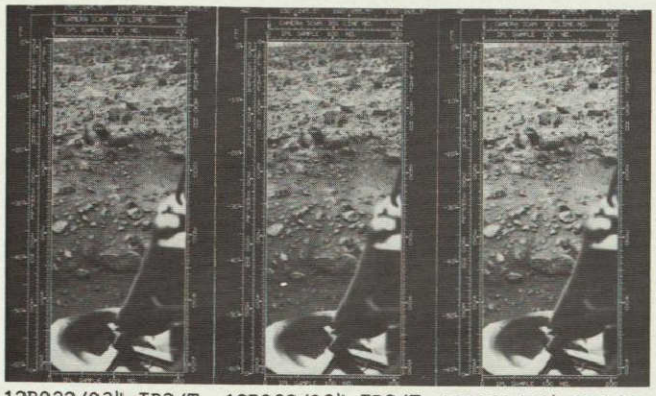
11B018/034 BLU/T 11B018/034 GRN/T 11B018/034 RED/T



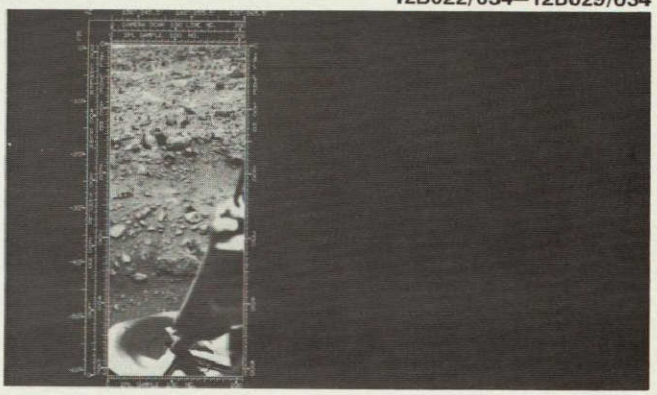
11B019/034 BB2 11B020/034 BB2



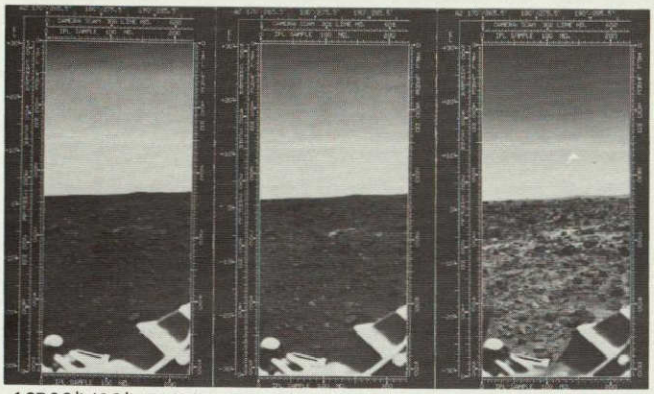
12B021/034 BLU/T 12B021/034 GRN/T 12B021/034 RED/T



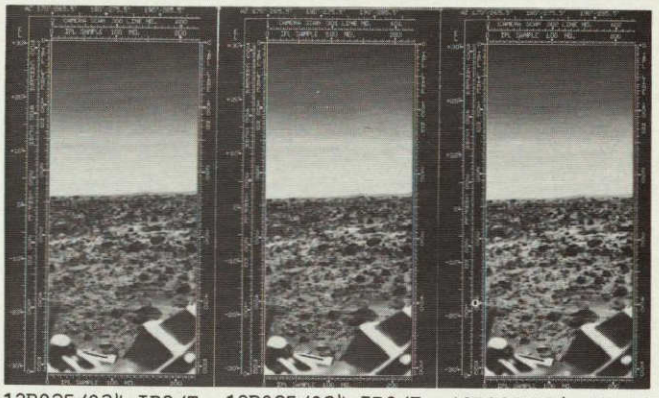
12B022/034 IR3/T 12B022/034 IR2/T 12B022/034 IR1/T



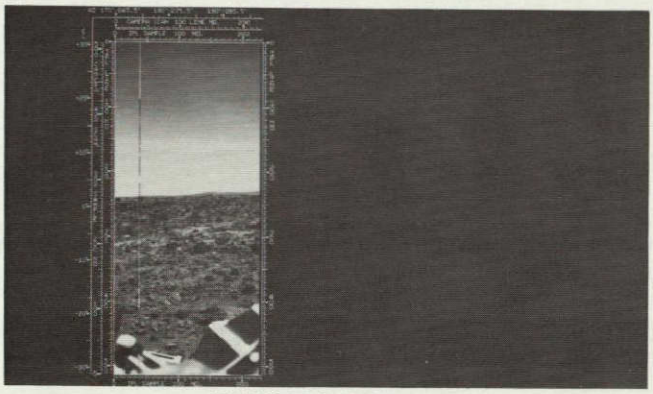
12B023/034 SURV



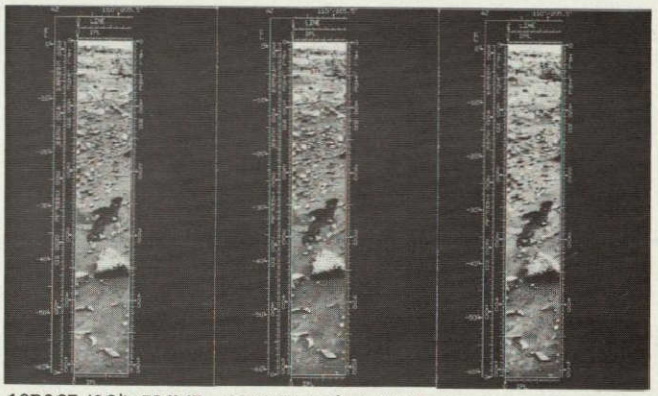
12B024/034 BLU/T 12B024/034 GRN/T 12B024/034 RED/T



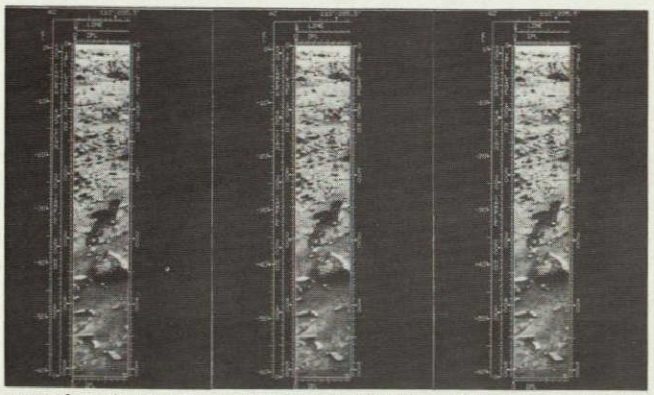
12B025/034 IR3/T 12B025/034 IR2/T 12B025/034 IR1/T



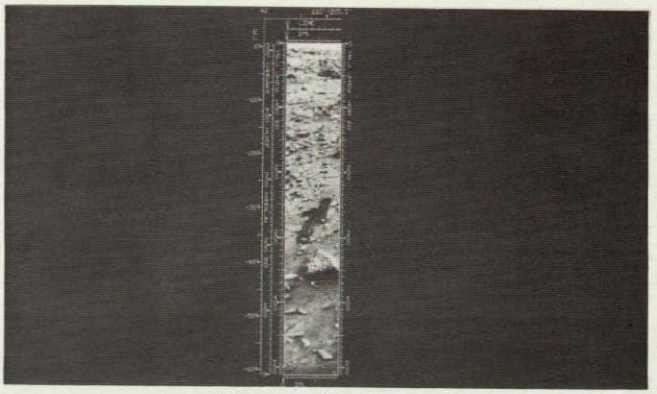
12B026/034 SURV



12B027/034 BLU/T 12B027/034 GRN/T 12B027/034 RED/T

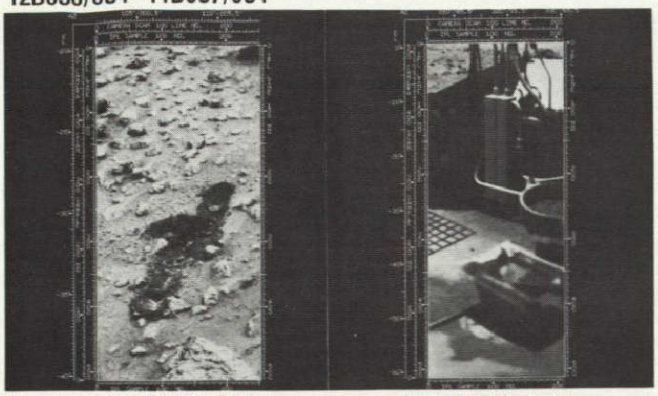


12B028/034 IR3/T 12B028/034 IR2/T 12B028/034 IR1/T

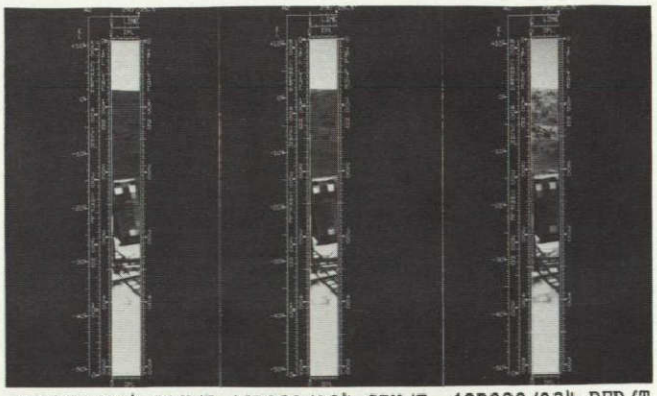


12B029/034 SURV

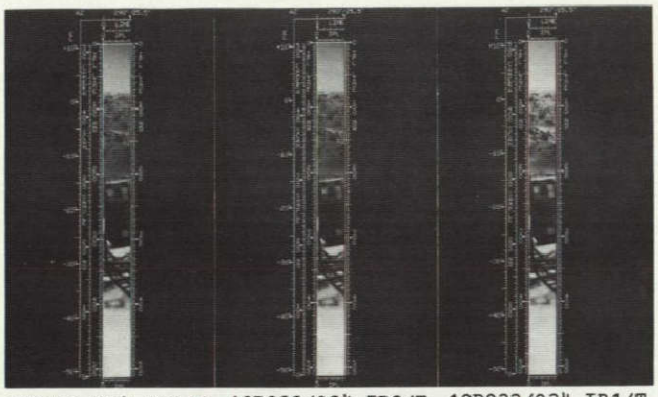
VL-1



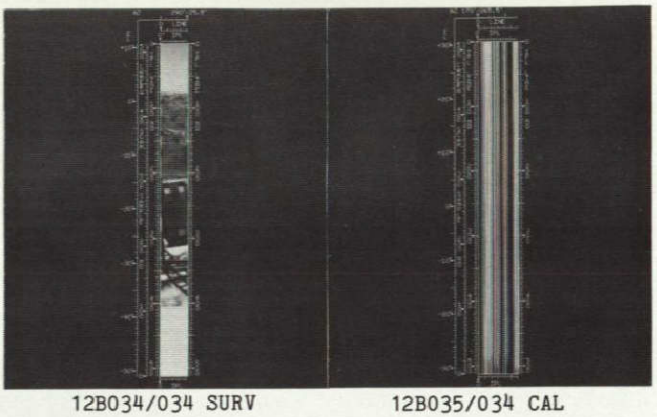
12B030/034 BB2 12B031/034 SURV



12B032/034 BLU/T 12B032/034 GRN/T 12B032/034 RED/T

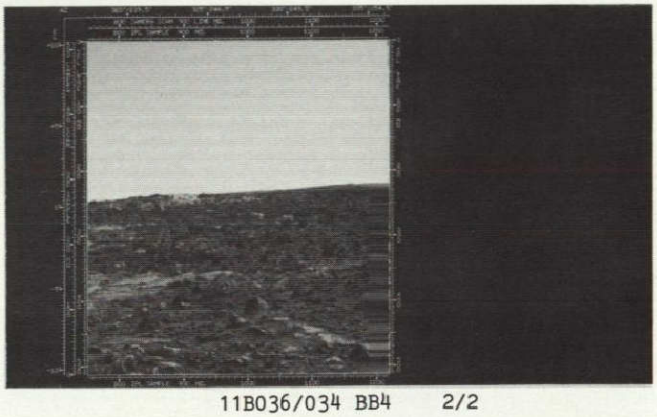


12B033/034 IR3/T 12B033/034 IR2/T 12B033/034 IR1/T

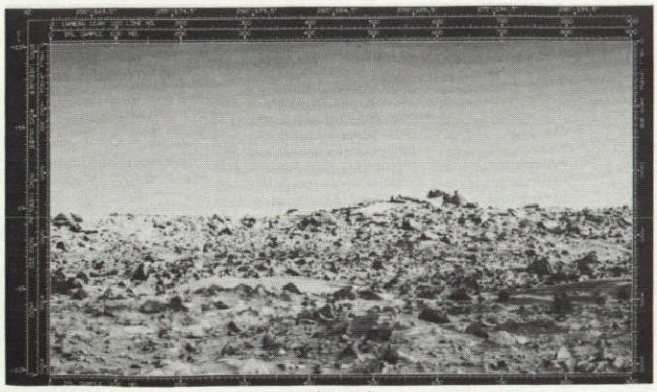


12B034/034 SURV 12B035/034 CAL

11B036/034 BB4 1/2



11B036/034 BB4 2/2



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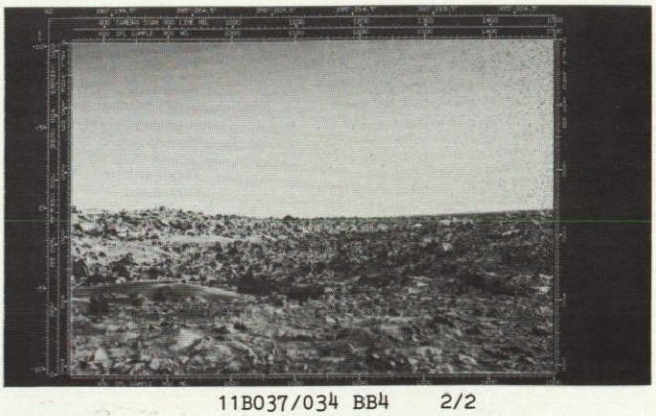

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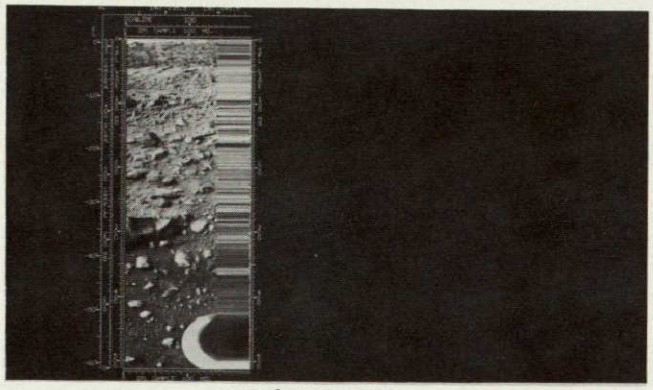
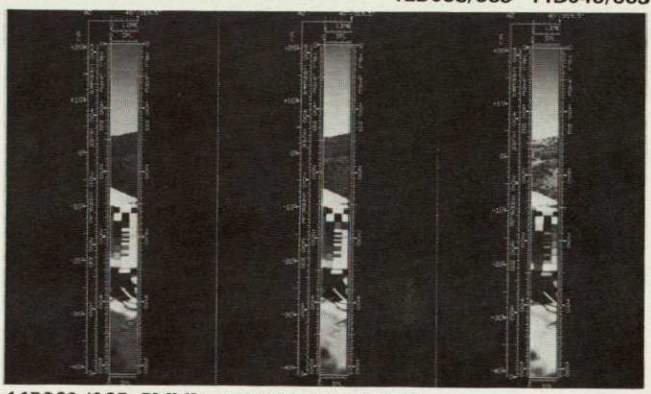
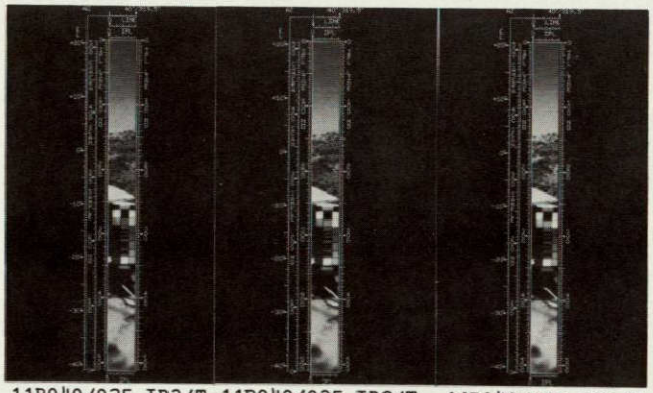


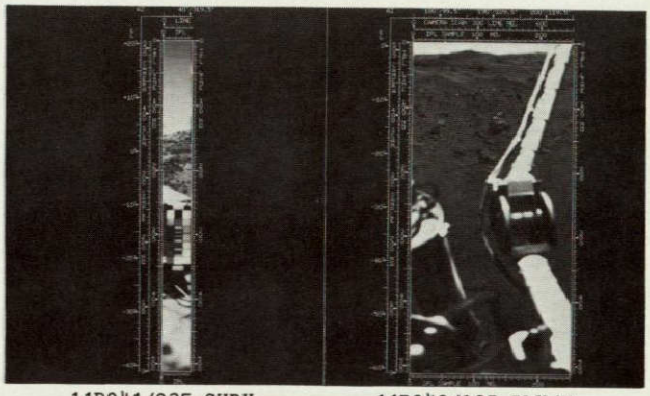
12B038/035 SURV



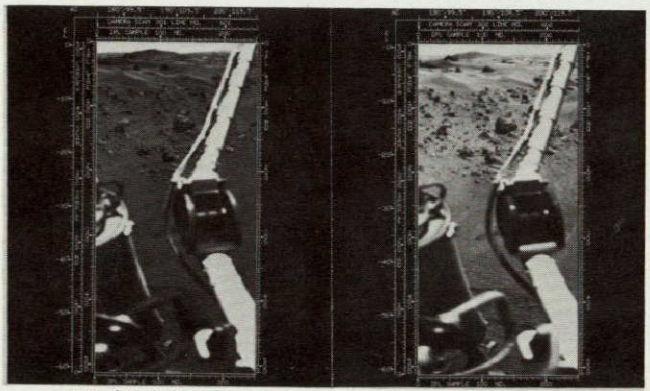
11B039/035 BLU/T 11B039/035 GRN/T 11B039/035 RED/T



11B040/035 IR3/T 11B040/035 IR2/T 11B040/035 IR1/T



11B041/035 SURV 11B042/035 BLU/T



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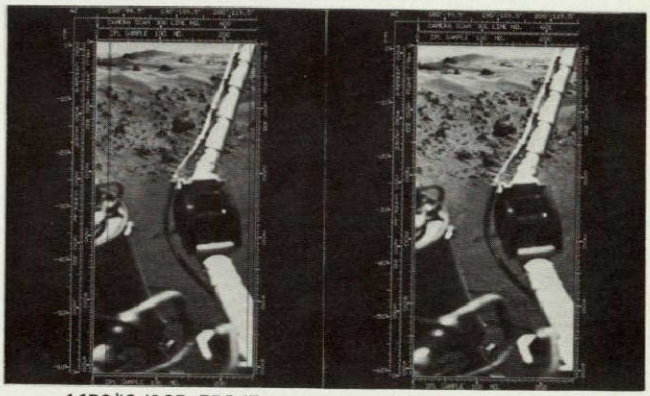
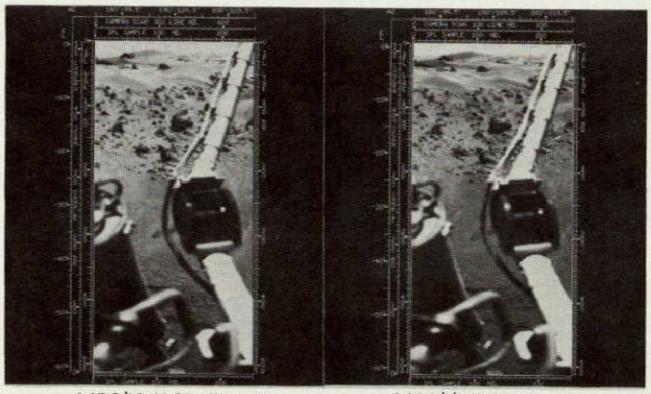
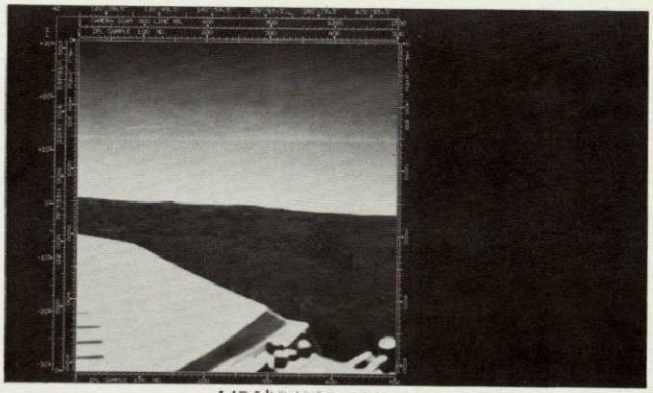


11B043/035 IR3/T 11B043/035 IR2/T



11B043/035 IR1/T 11B044/035 SURV



11B045/035 BLU/T

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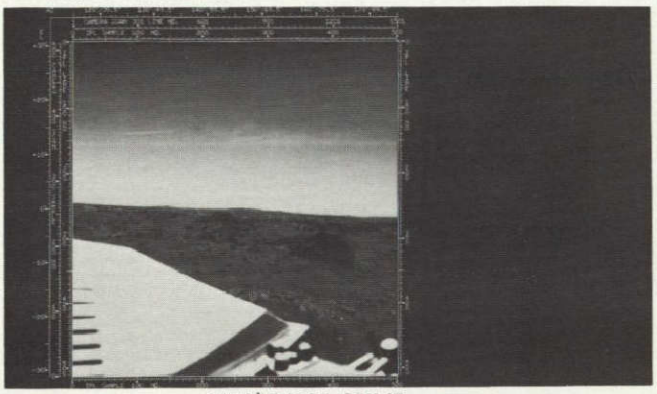

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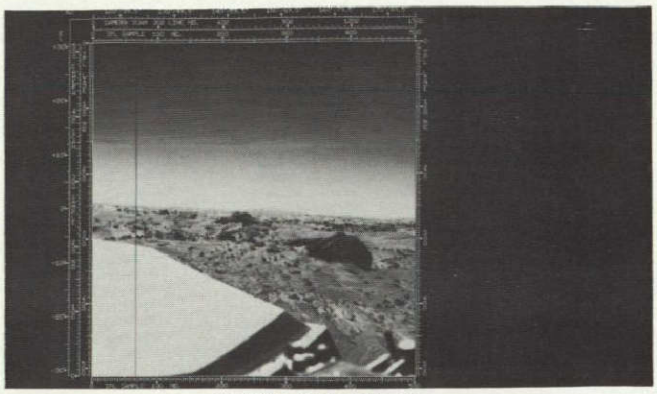

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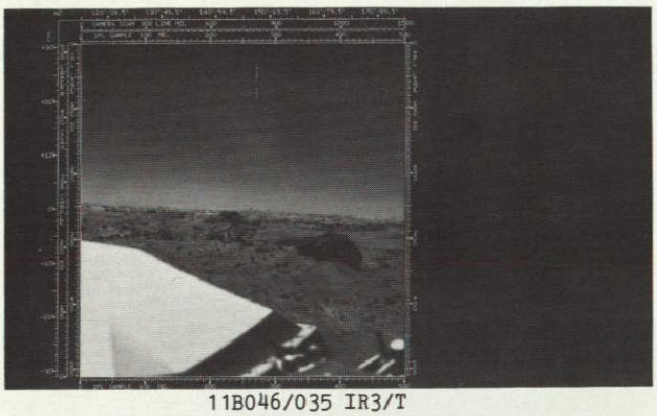
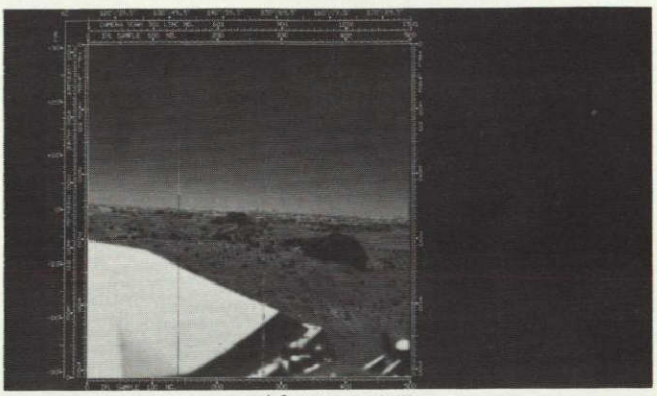


11B046/035 IR3/T



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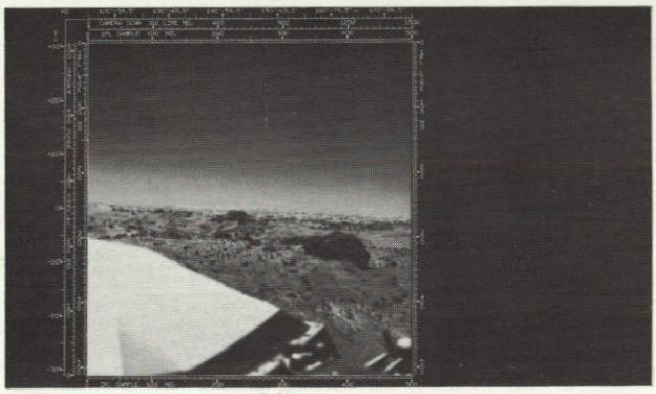
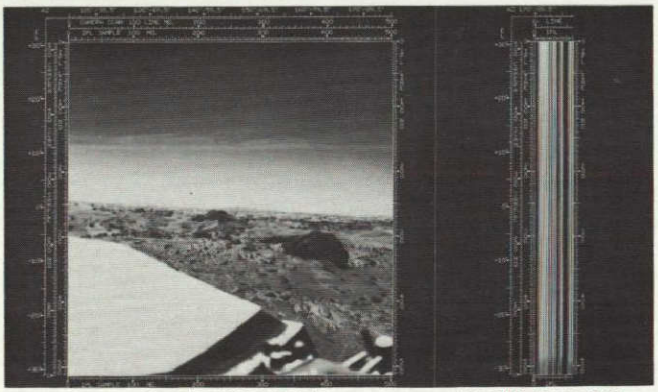
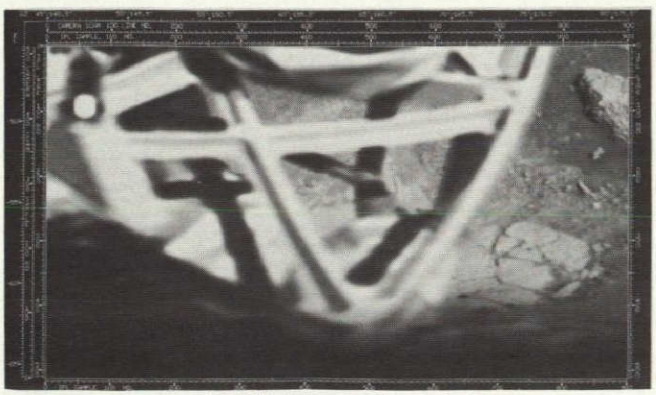


11B046/035 IR1/T



11B047/035 SURV

11B048/035 CAL



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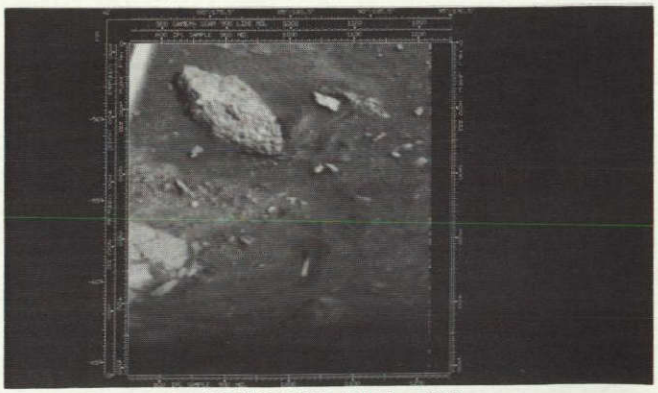

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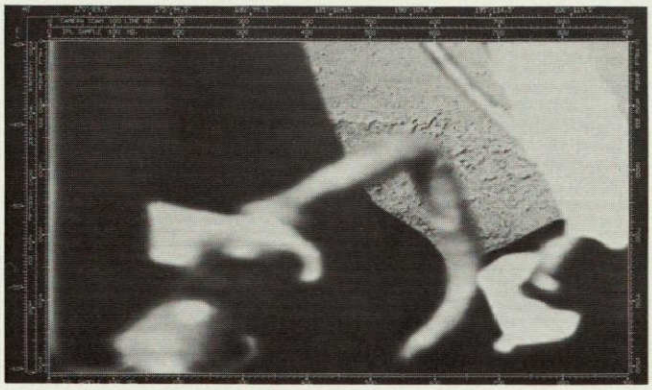

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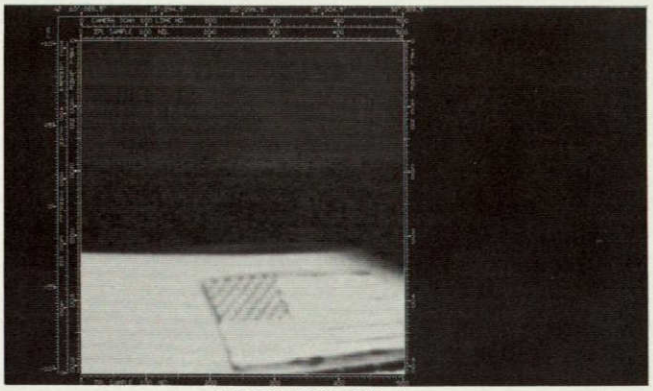
11B050/035 BB1 2/2



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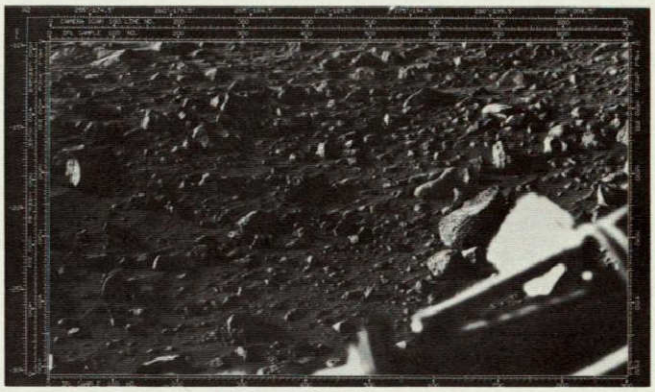

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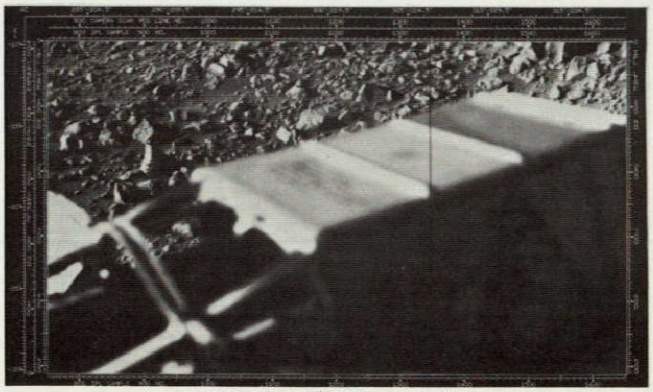

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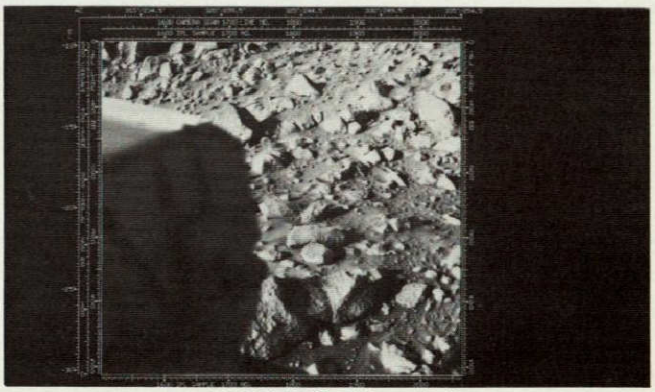

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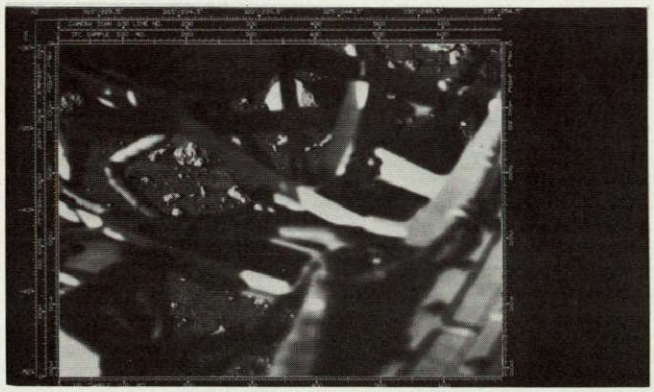

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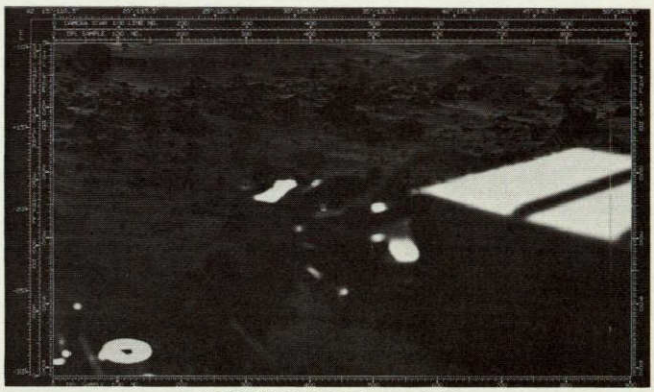

12B054/036 BB3 1/2

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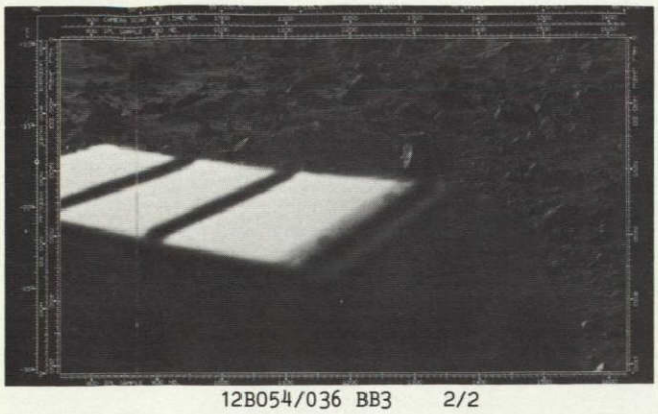

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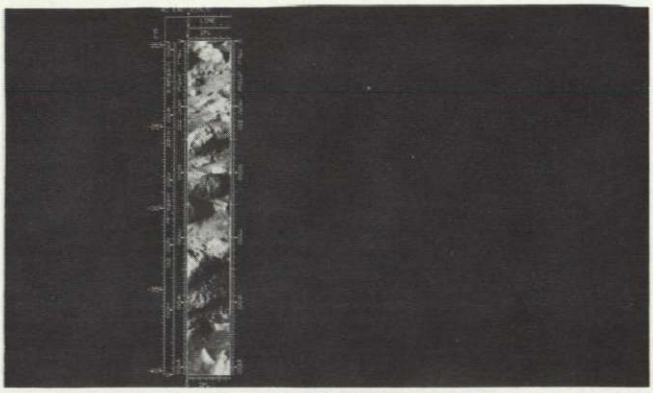

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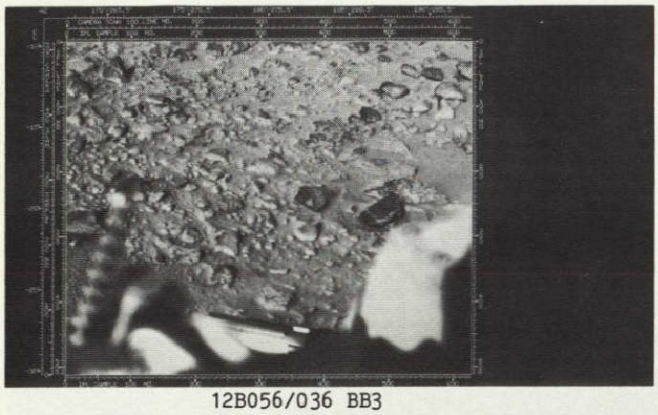

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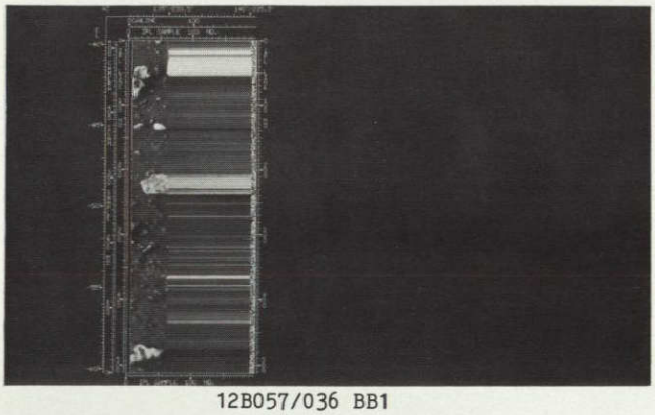

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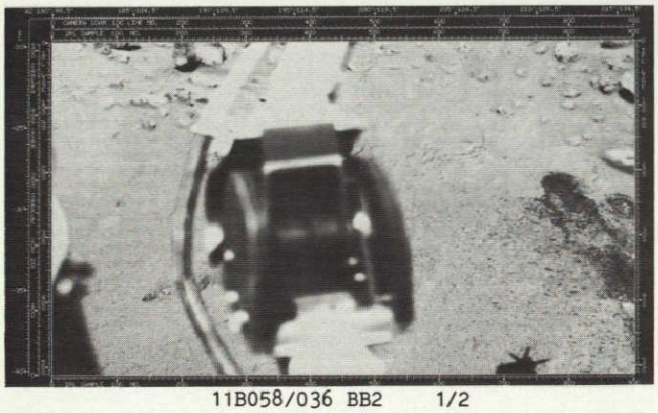

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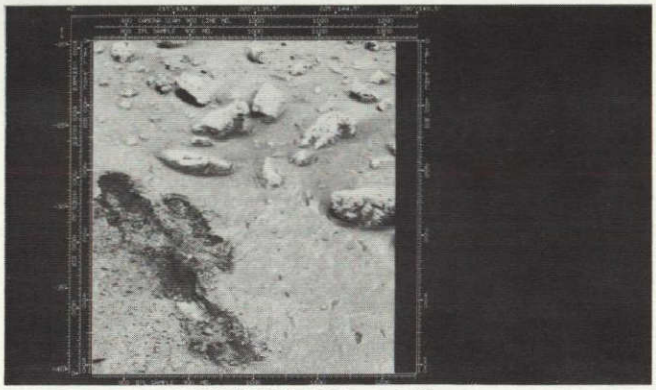
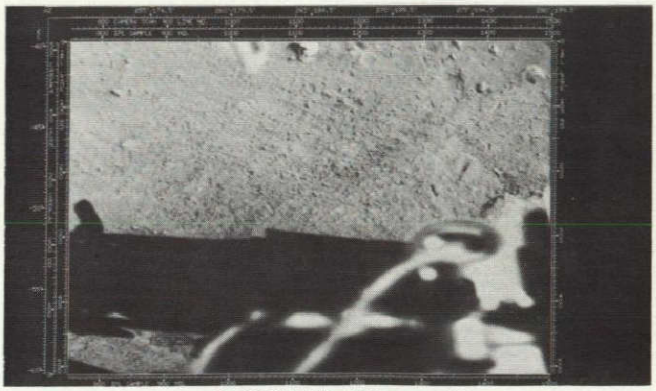


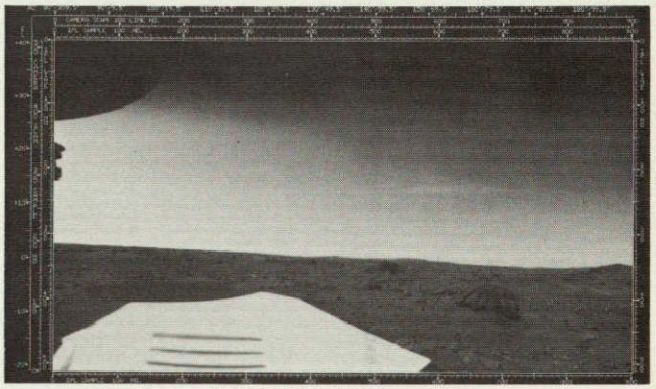
11B058/036 BB2 2/2

11B059/036 BB1 1/2

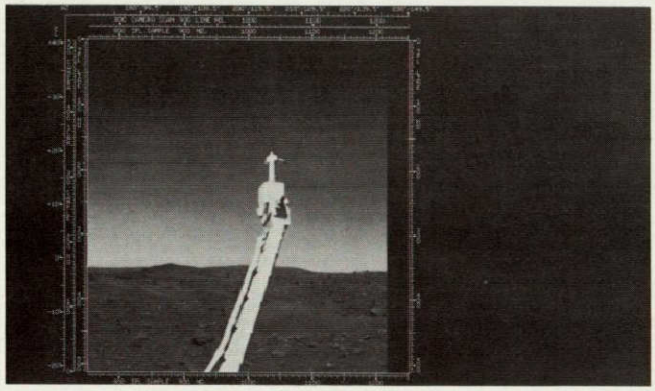


11B059/036 BB1 2/2

12B060/037 BB1



11B061/037 BLU 1/2



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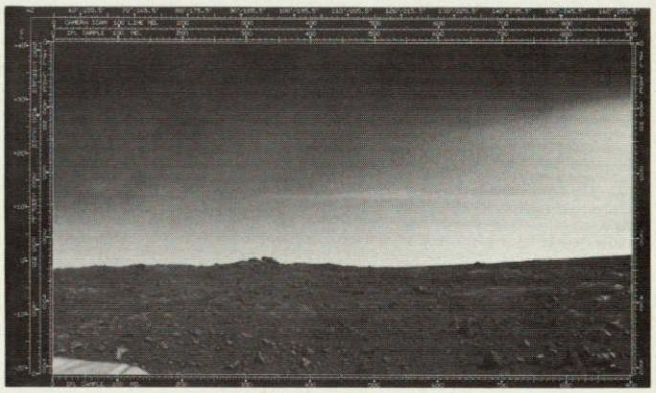

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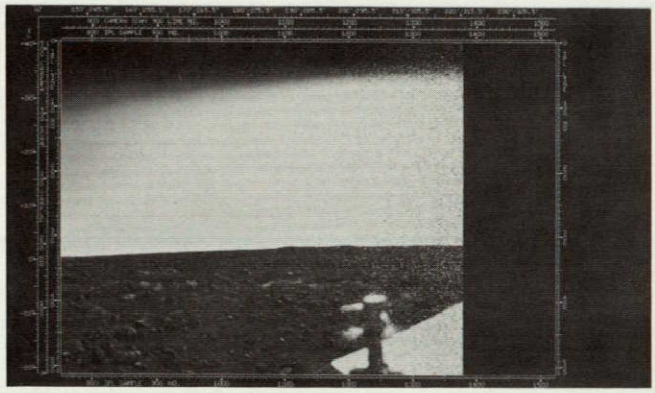
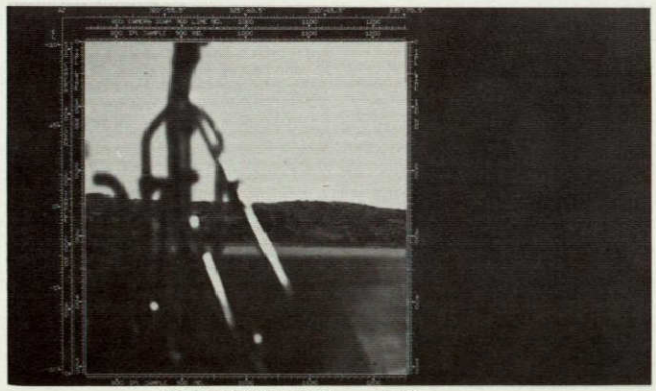


12B062/037 BLU 2/2

12B063/038 BB4 1/2



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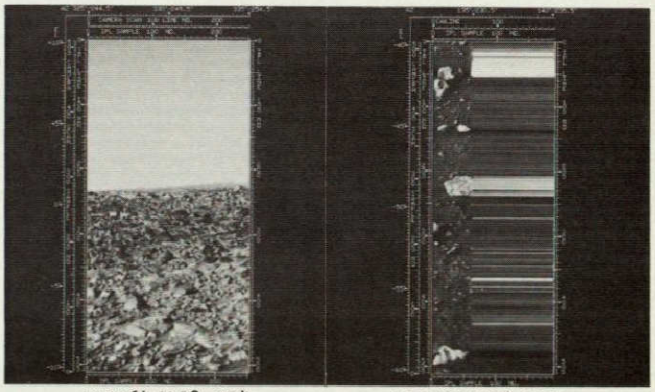

11B064/038 BB4 12B065/038 BB1

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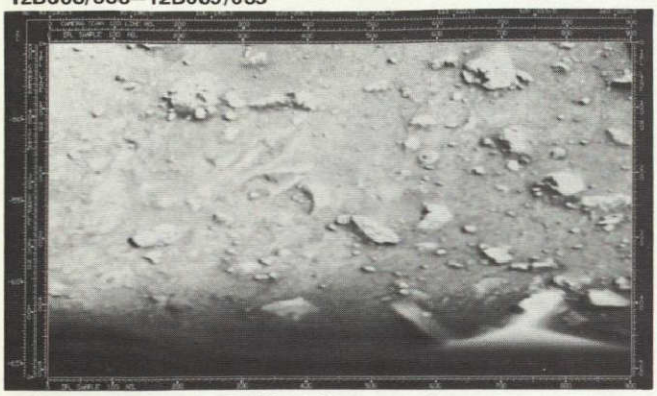
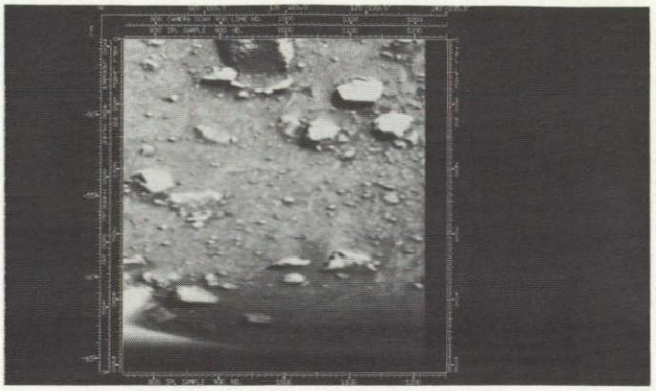


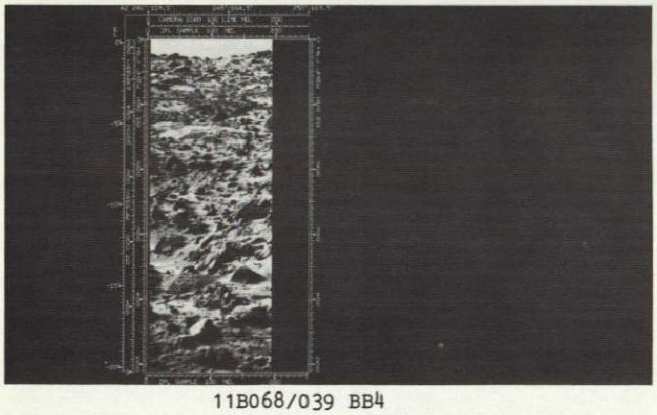
12B066/038 SURV 1/2



12B066/038 SURV 2/2

11B067/038 BB1 1/2

11B067/038 BB1 2/2



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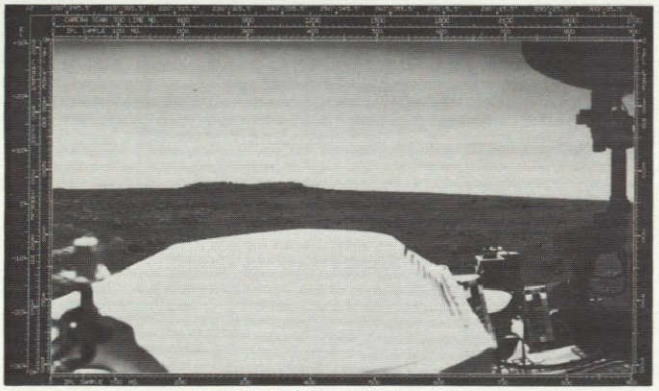

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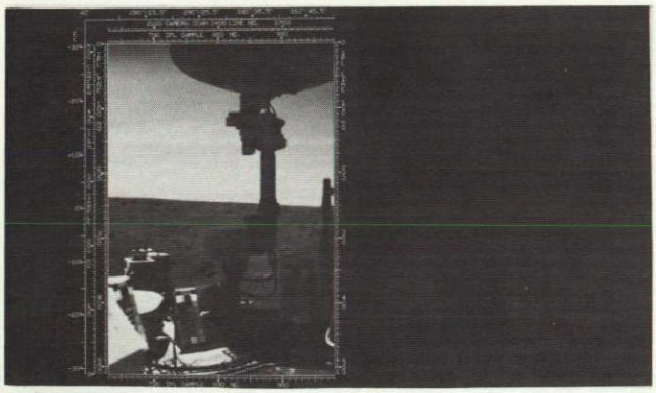

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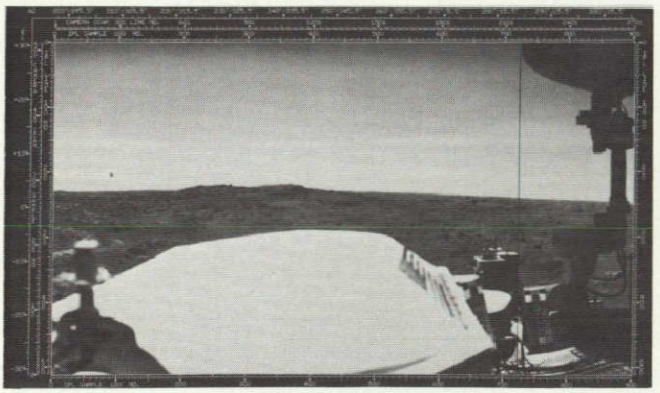

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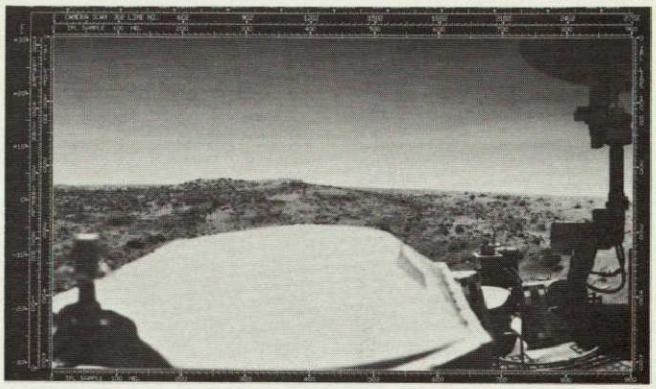
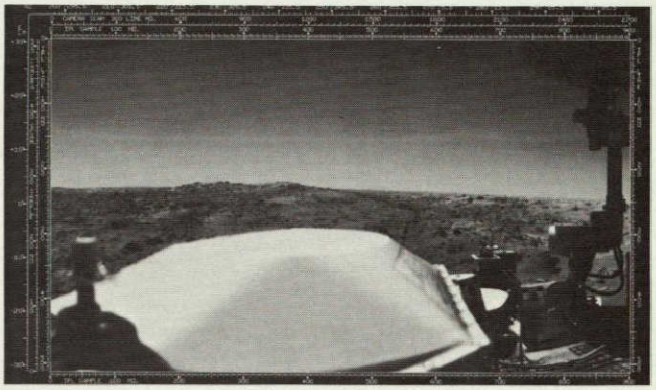
12B069/039 GRN/T 2/2



12B069/039 RED/T 1/2

12B069/039 RED/T 2/2



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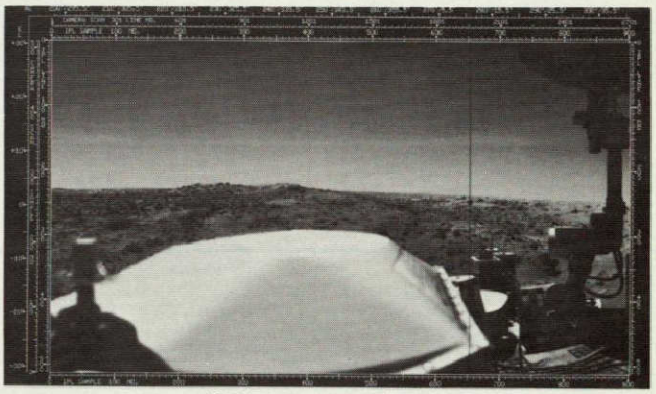
12B070/039 IR3/T 2/2



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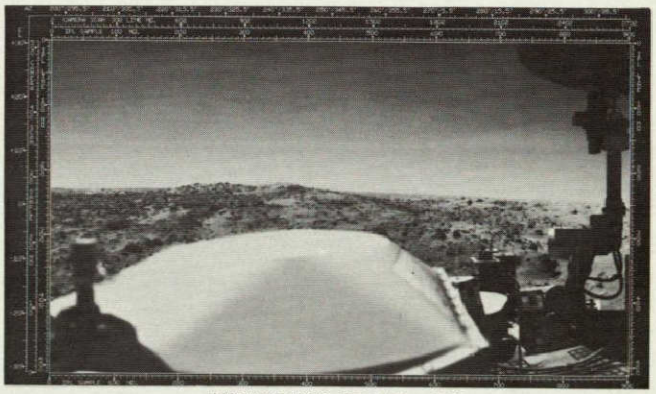
12B070/039 IR2/T 2/2



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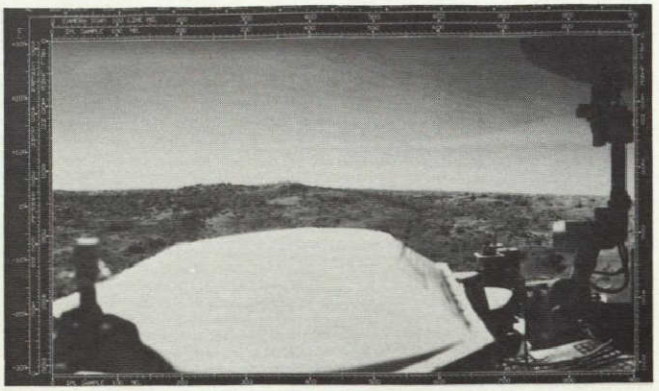
12B070/039 IR1/T 2/2



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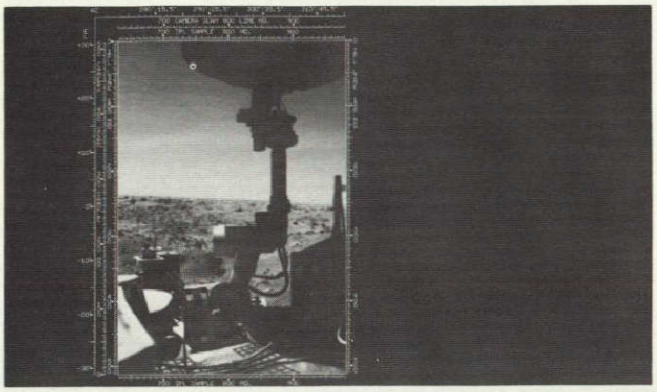

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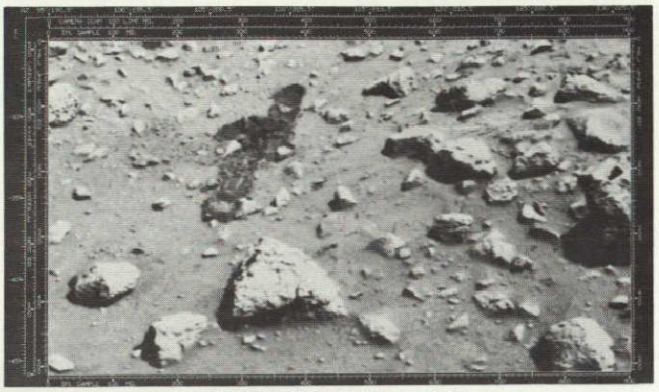
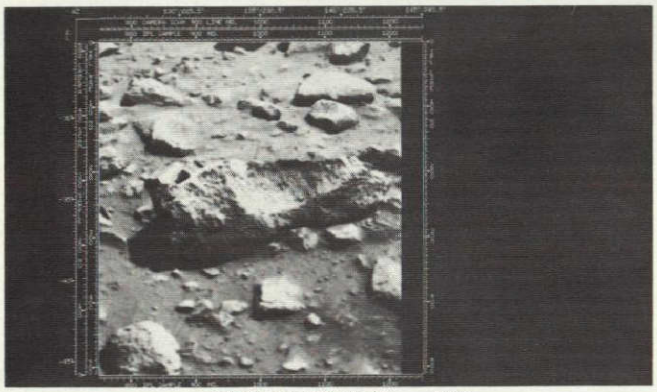
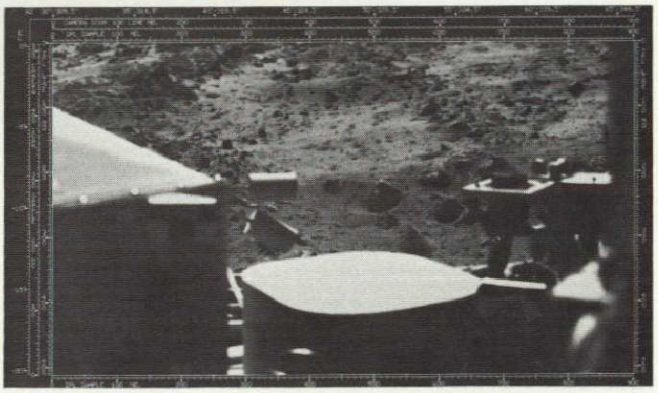


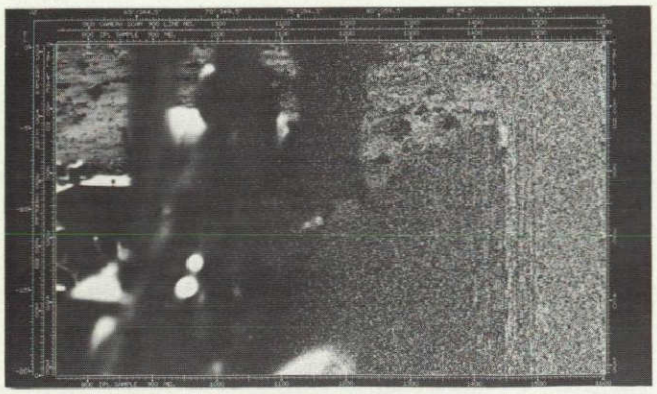
12B072/039 BLU 1/2



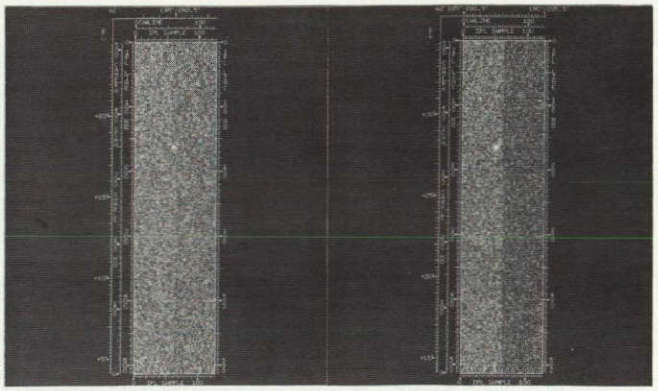
12B072/039 BLU 2/2



11B073/039 BB3 1/2

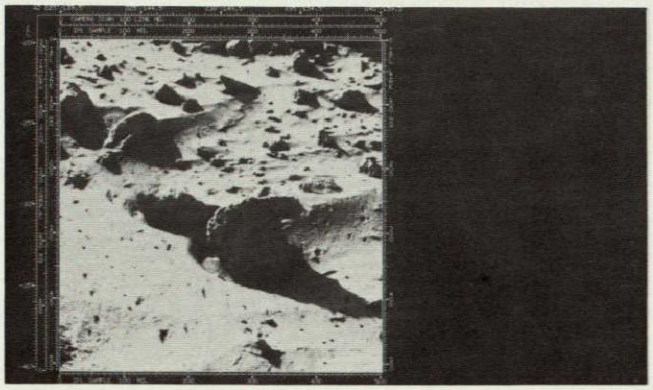


11B073/039 BB3 2/2

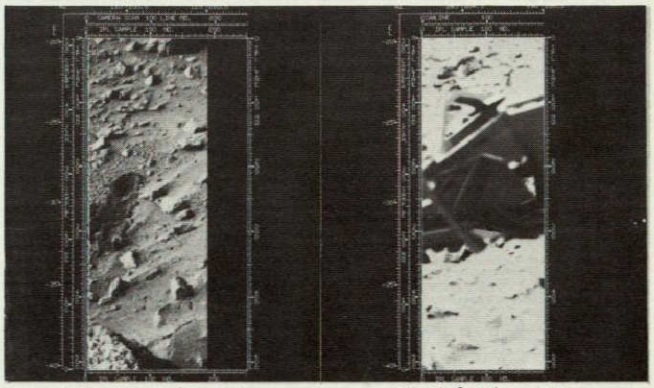


12B074/040 BLU

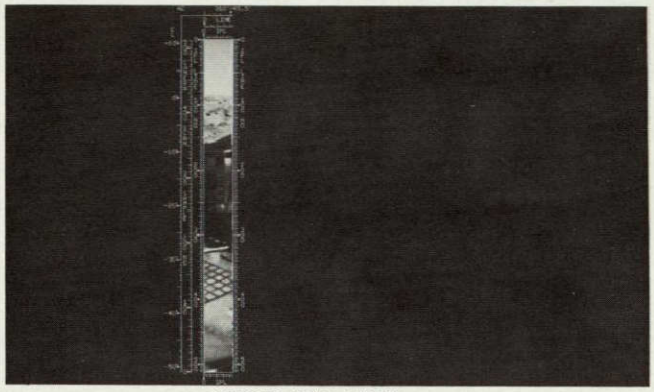
12B075/040 BLU



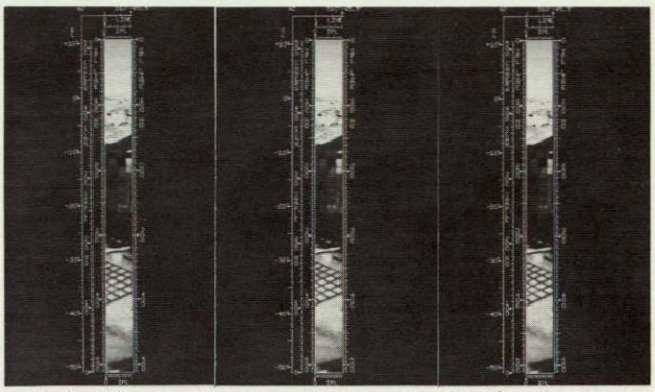
11B076/040 BB2



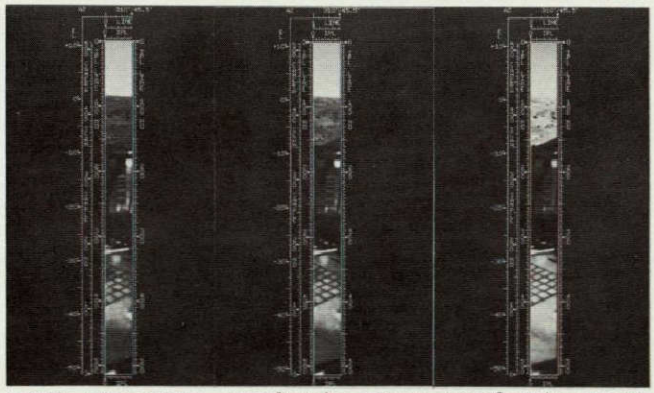
12B077/040 BB2 11B078/040 BB1



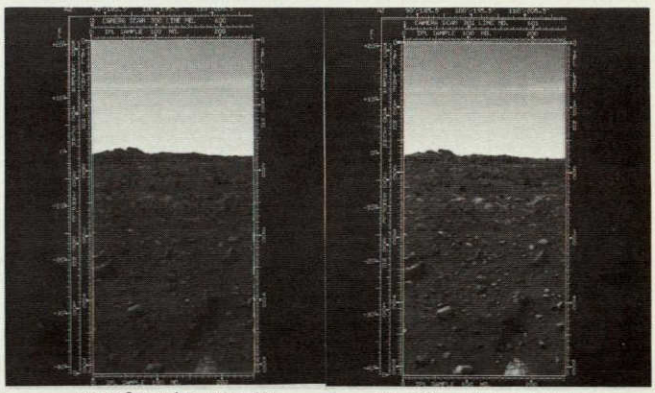
12B079/040 SURV



12B080/040 IR3/T 12B080/040 IR2/T 12B080/040 IR1/T



12B081/040 BLU/T 12B081/040 GRN/T 12B081/040 RED/T



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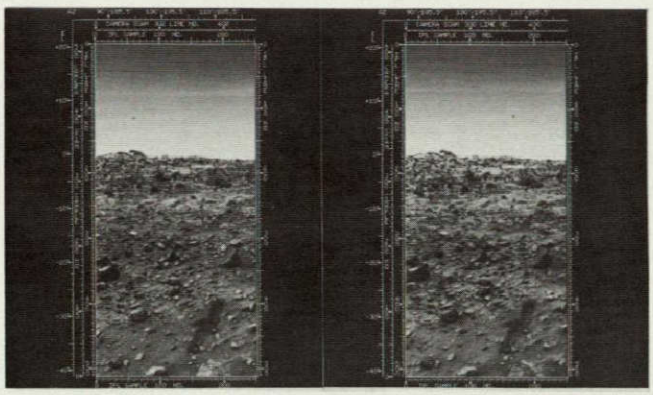
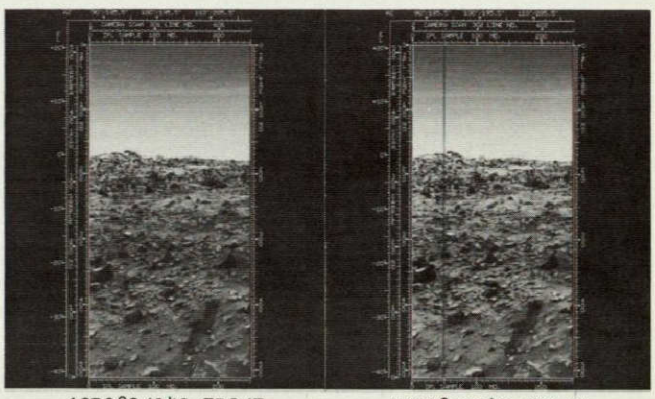
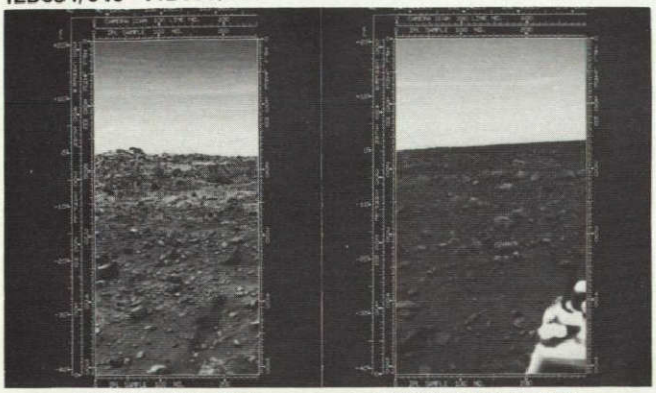


12B082/040 RED/T 12B083/040 IR3/T



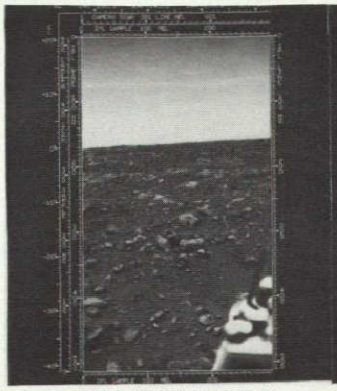
12B083/040 IR2/T 12B083/040 IR1/T

VL-1

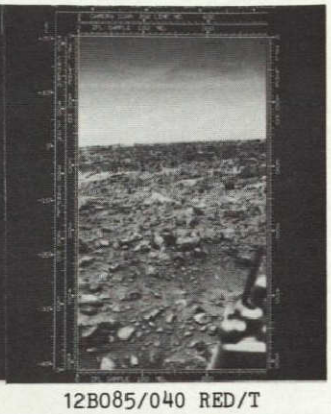


12B084/040 SURV

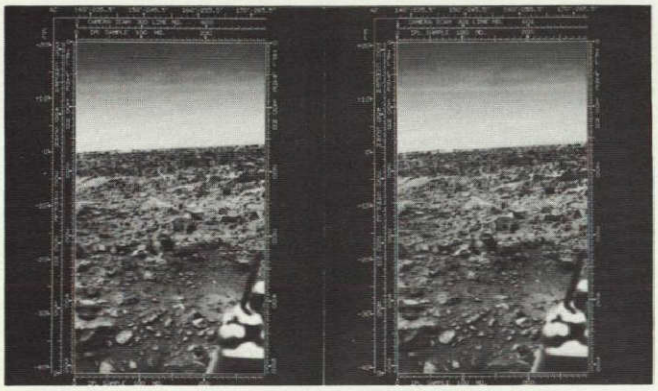
12B085/040 BLU/T



12B085/040 GRN/T



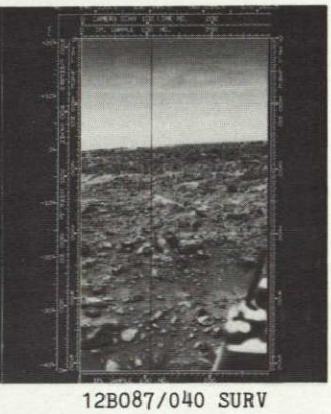
12B085/040 RED/T



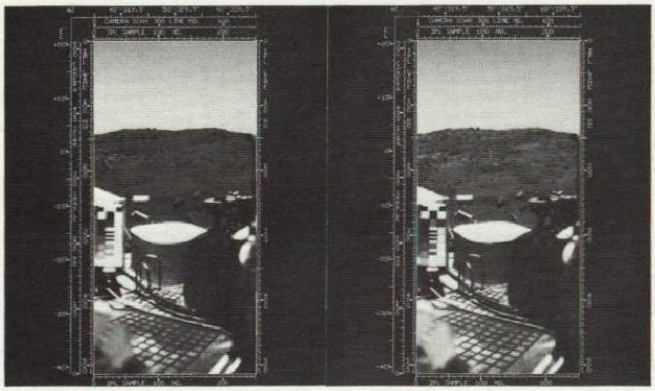
12B086/040 IR3/T

12B086/040 IR2/T

12B086/040 IR1/T

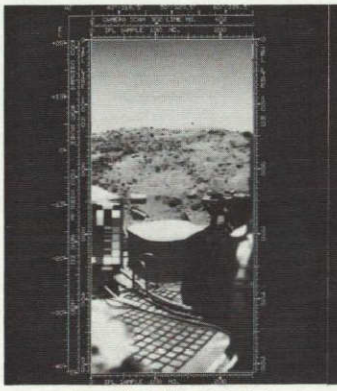


12B087/040 SURV

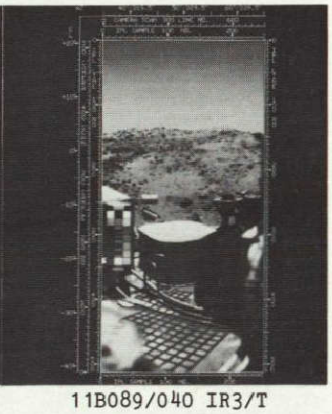


11B088/040 BLU/T

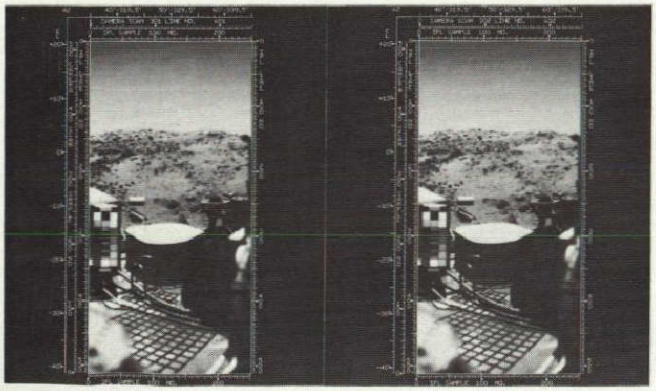
11B088/040 GRN/T



11B088/040 RED/T

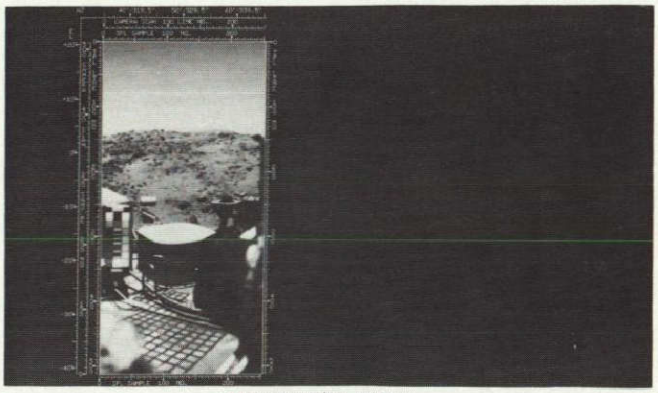


11B089/040 IR3/T

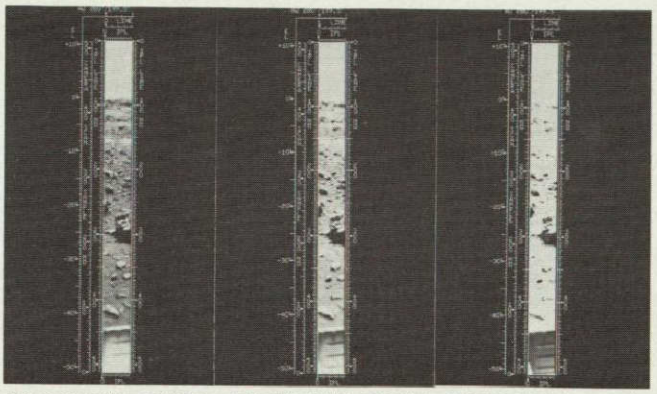


11B089/040 IR2/T

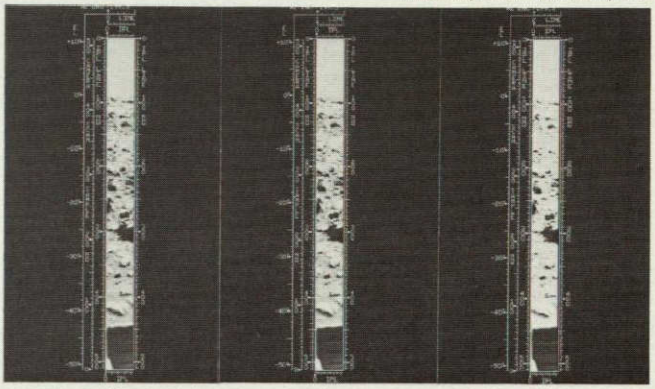
11B089/040 IR1/T



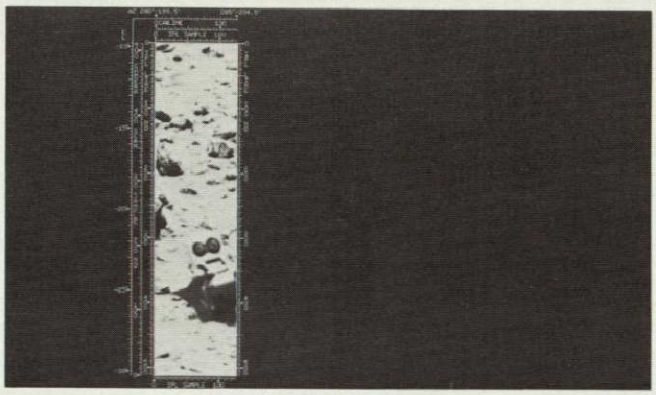
11B090/040 SURV



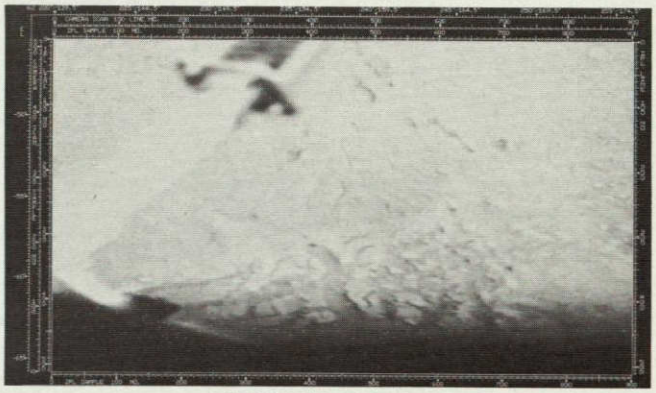
11B091/040 BLU/T 11B091/040 GRN/T 11B091/040 RED/T



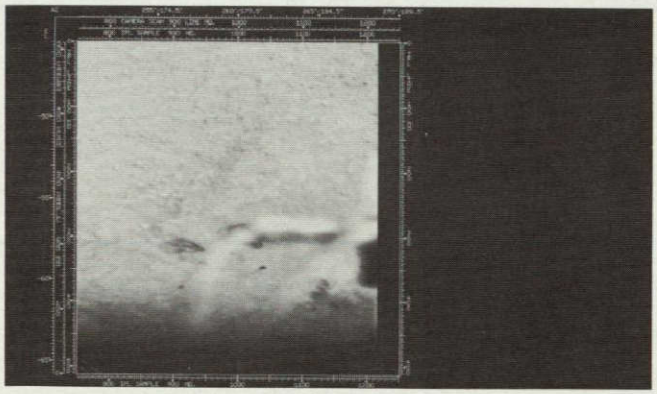
11B092/040 IR3/T 11B092/040 IR2/T 11B092/040 IR1/T



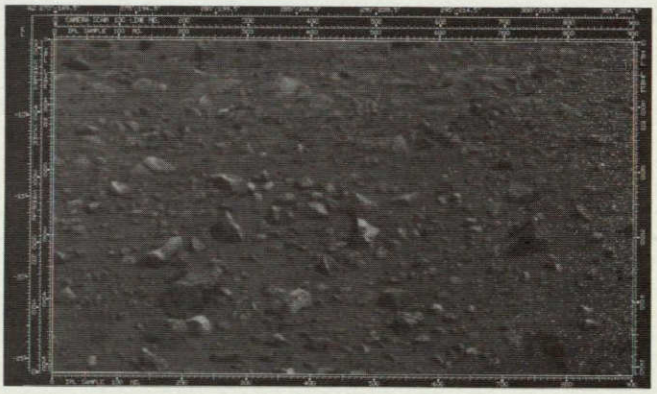
11B093/040 BB2



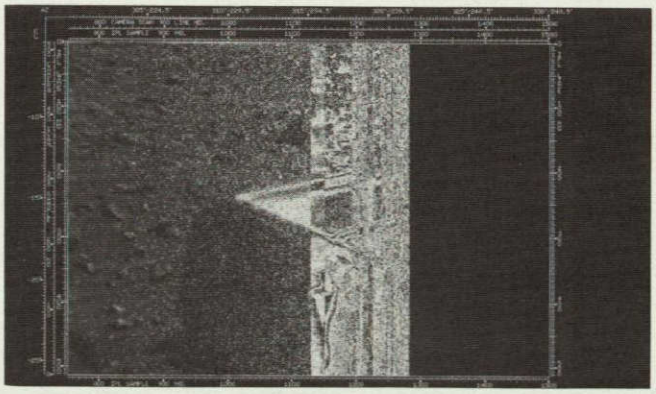
11B094/040 SURV 1/2



11B094/040 SURV 2/2



11B095/040 BLU 1/2

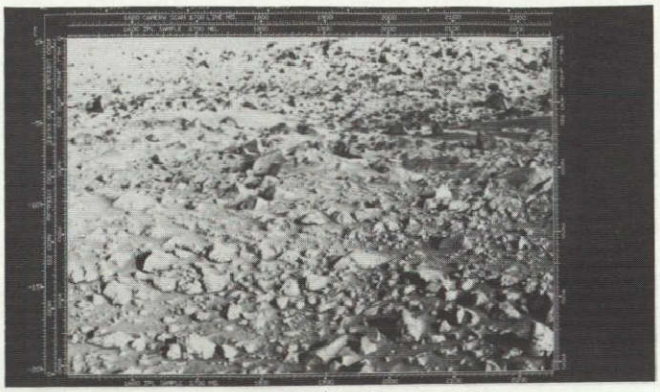


11B095/040 BLU 2/2

12B096/040 BB3 1/3

VL-1

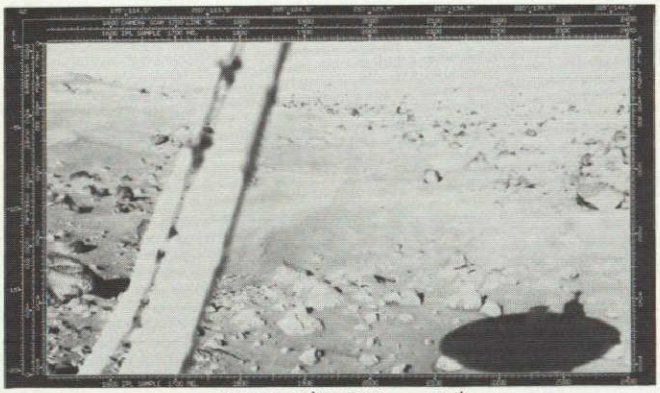
12B096/040 BB3 2/3



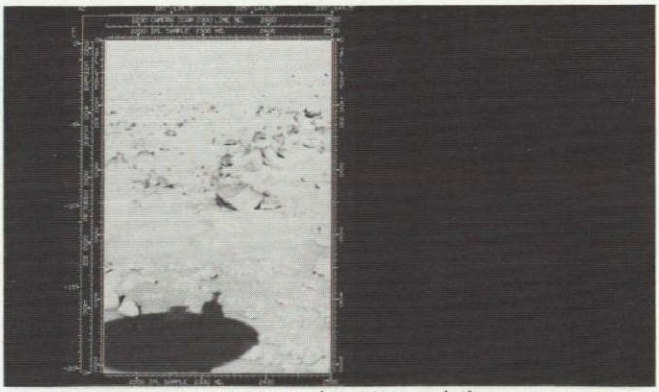
12B096/040 BB3 3/3

11B097/040 BB3 1/4

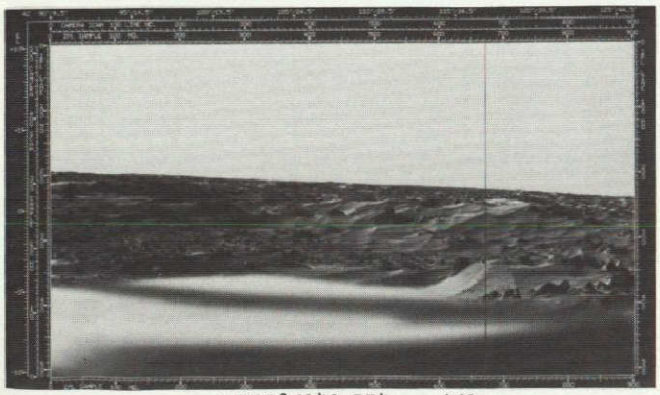
11B097/040 BB3 2/4



11B097/040 BB3 3/4

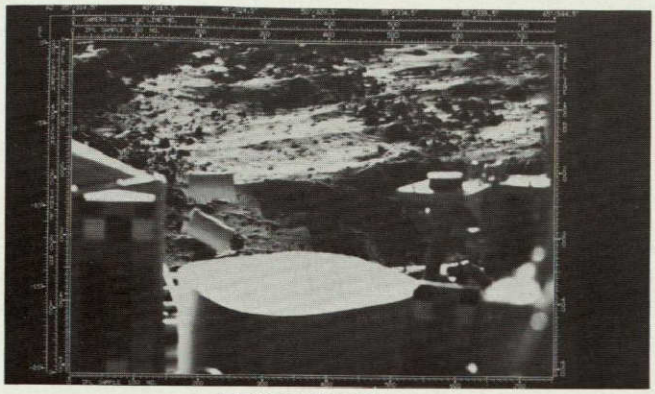


11B097/040 BB3 4/4

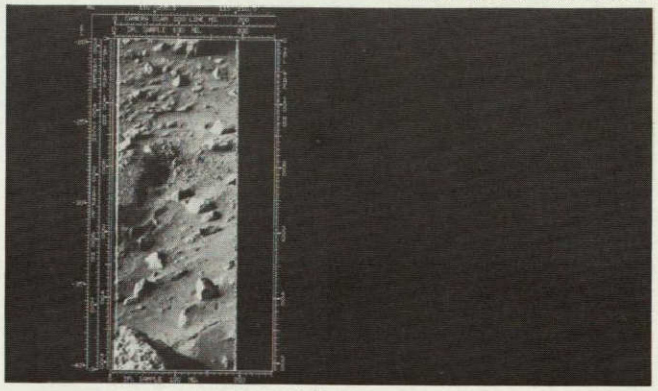


11B098/040 BB4 1/2

11B098/040 BB4 2/2

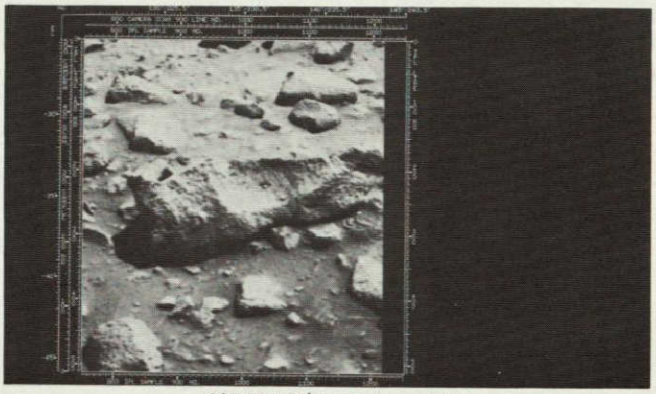


11B099/040 BB3

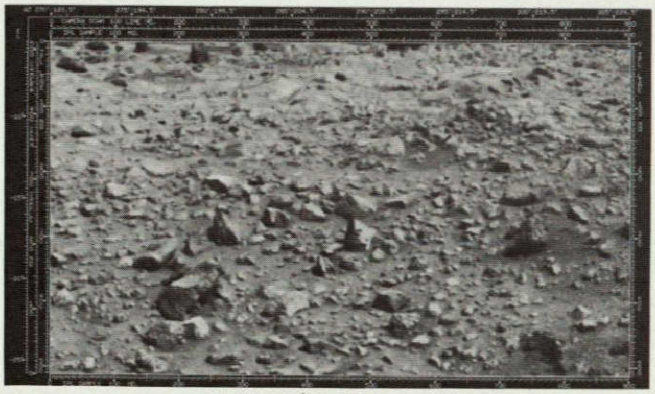


12B100/041 BB2

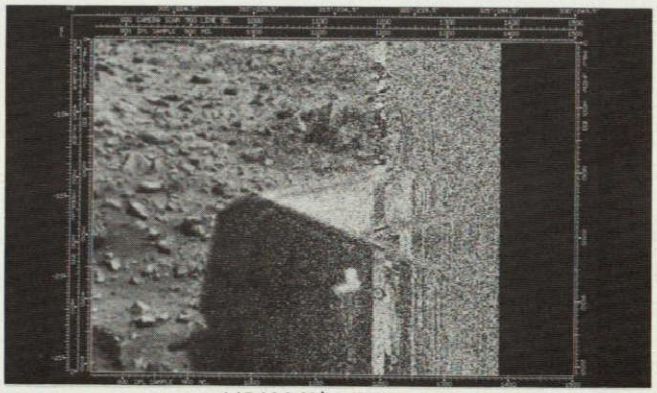
12B101/041 RED 1/2



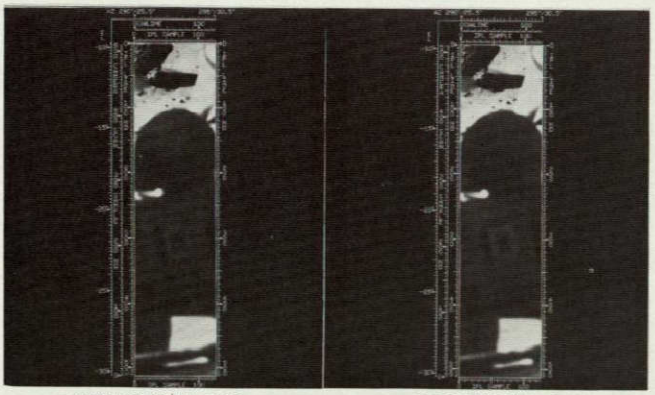
12B101/041 RED 2/2



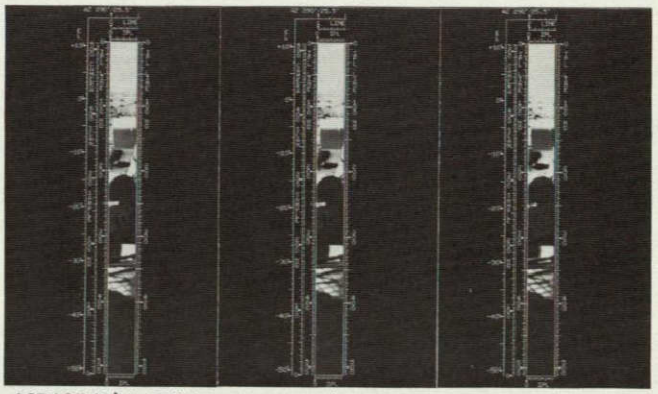
11B102/041 RED 1/2



11B102/041 RED 2/2

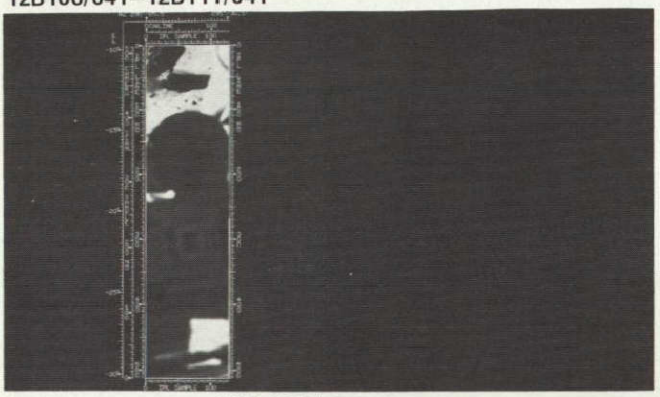


12B103/041 BB3 12B104/041 BB3

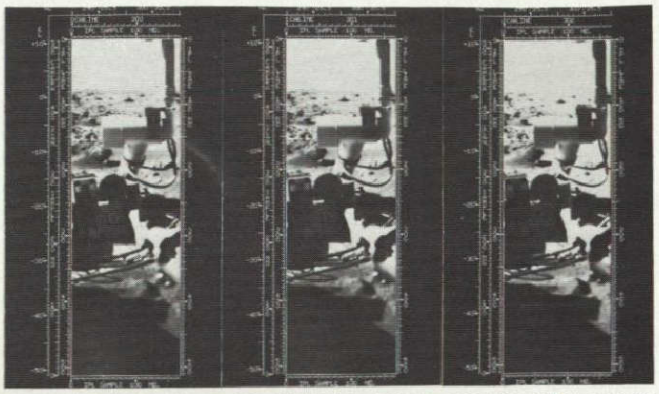


12B105/041 BLU/T 12B105/041 GRN/T 12B105/041 RED/T

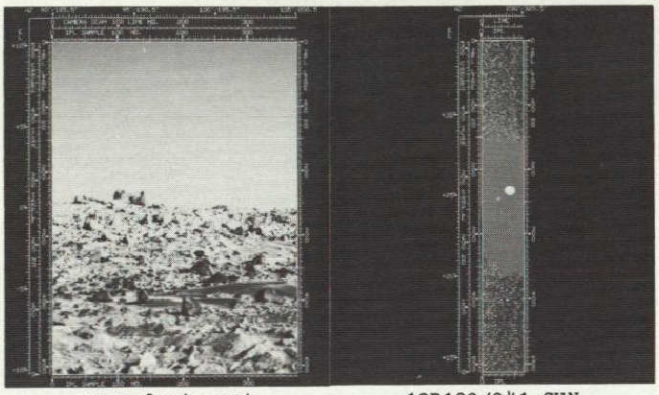
12B106/041–12B111/041



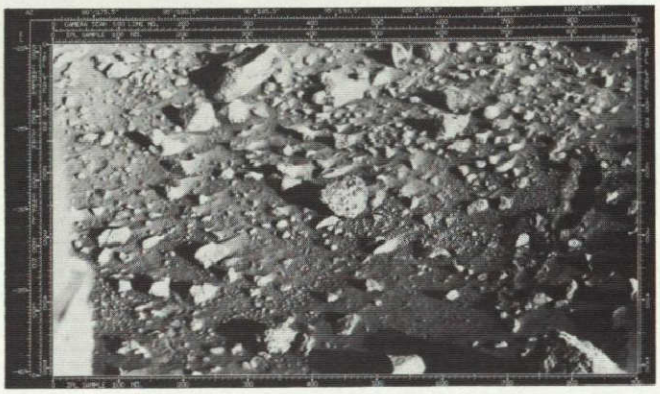
12B106/041 BB3



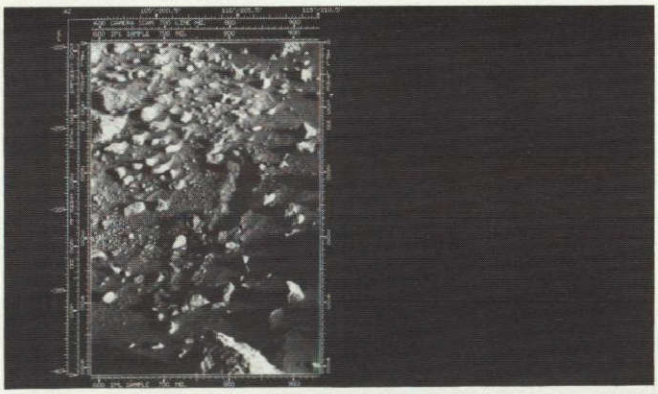
12B107/041 BLU/T 12B107/041 GRN/T 12B107/041 RED/T



12B108/041 BB4 12B109/041 SUN

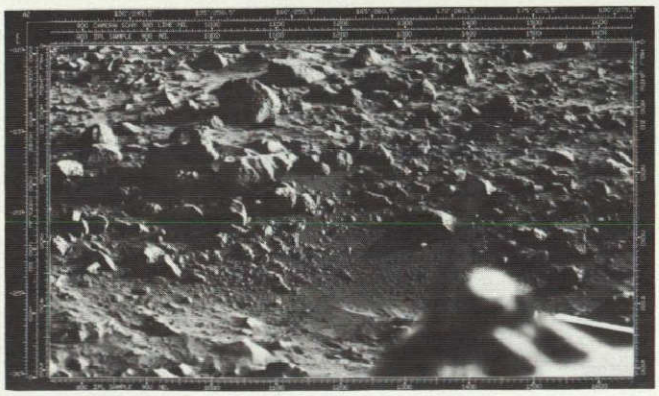


12B110/041 BB2 1/2

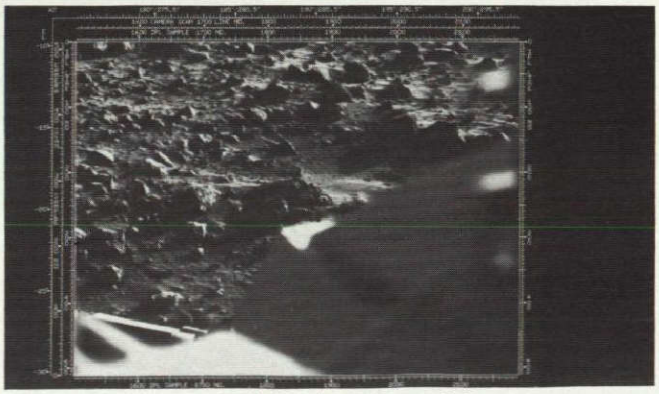


12B110/041 BB2 2/2

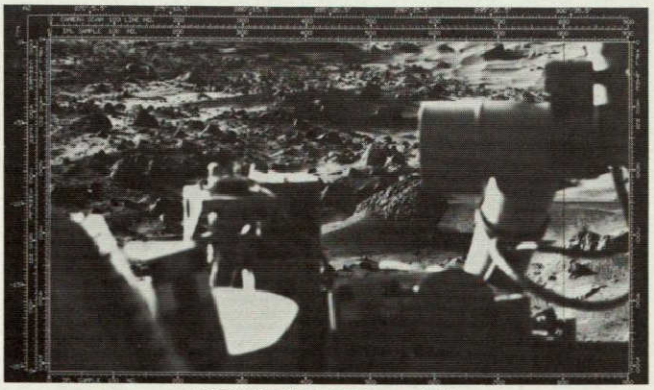
12B111/041 BB3 1/3



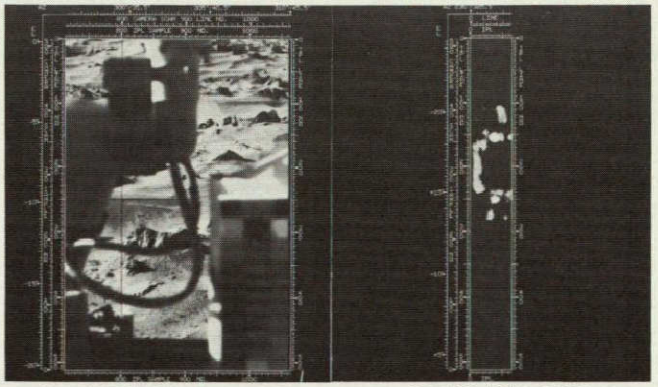
12B111/041 BB3 2/3



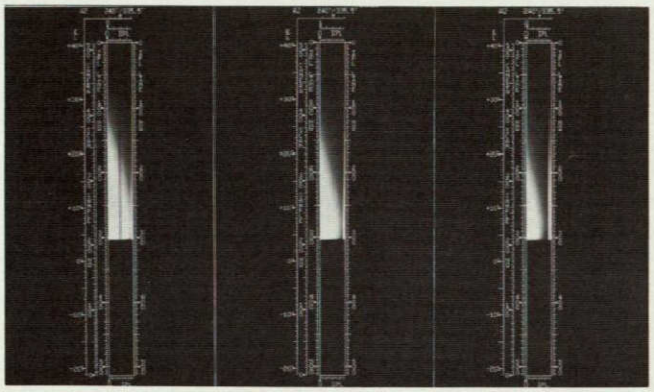
12B111/041 BB3 3/3



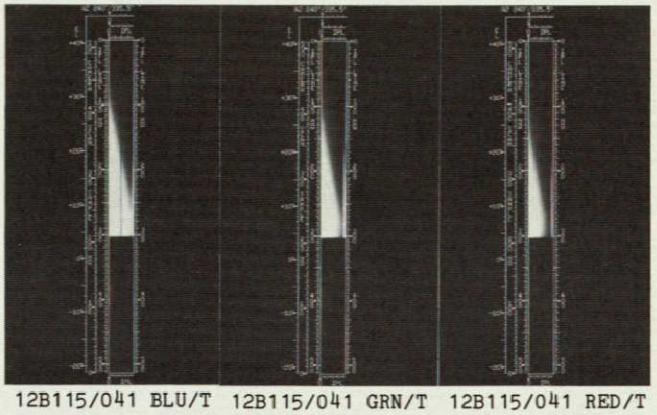
12B112/041 BB3 1/2



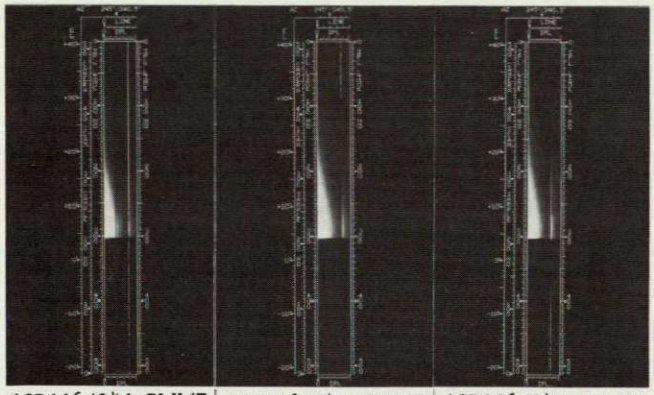
12B112/041 BB3 2/2 12B113/041 SUN



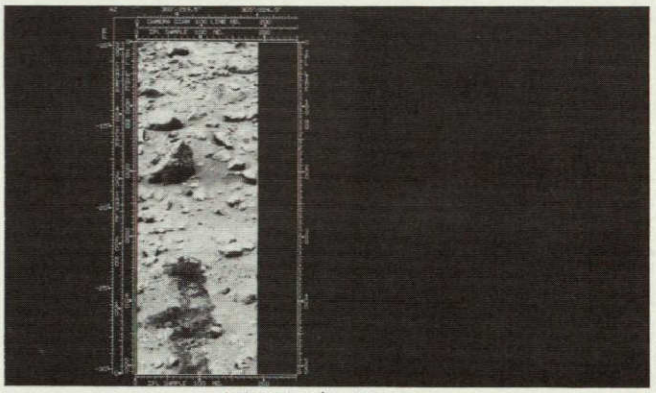
12B114/041 BLU/T 12B114/041 GRN/T 12B114/041 RED/T



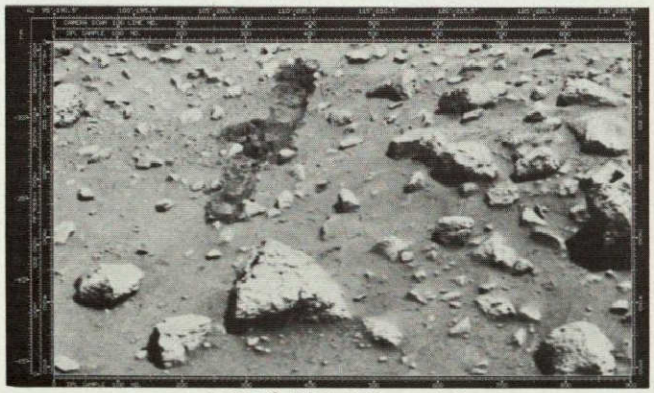
12B115/041 BLU/T 12B115/041 GRN/T 12B115/041 RED/T



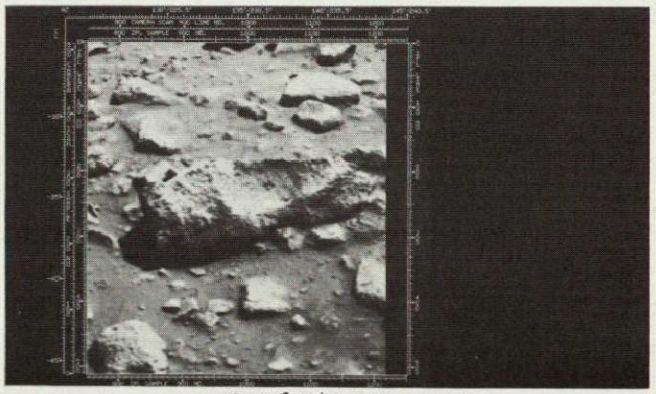
12B116/041 BLU/T | 12B116/041 GRN/T | 12B116/041 RED/T



11B117/042 BB3

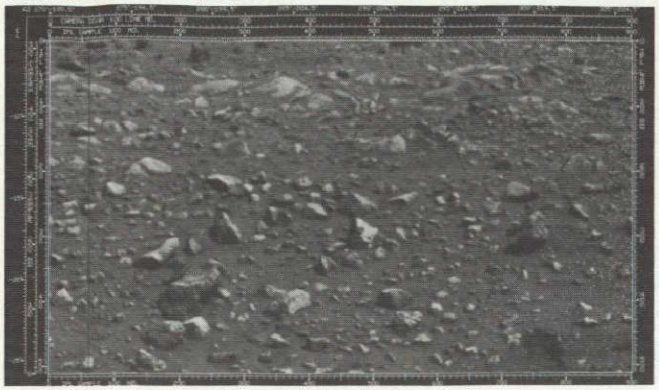


12B118/042 GRN 1/2

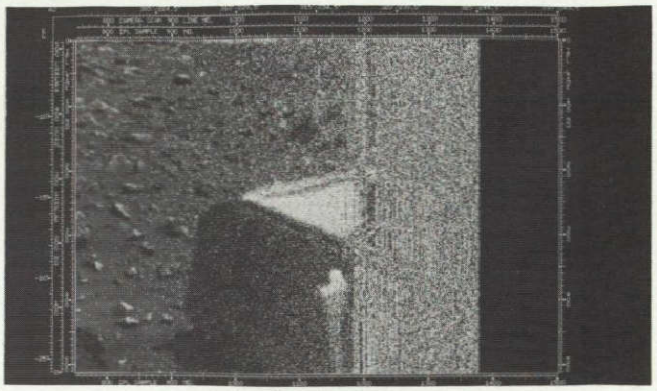


12B118/042 GRN 2/2

VL-1



11B119/042 GRN 1/2

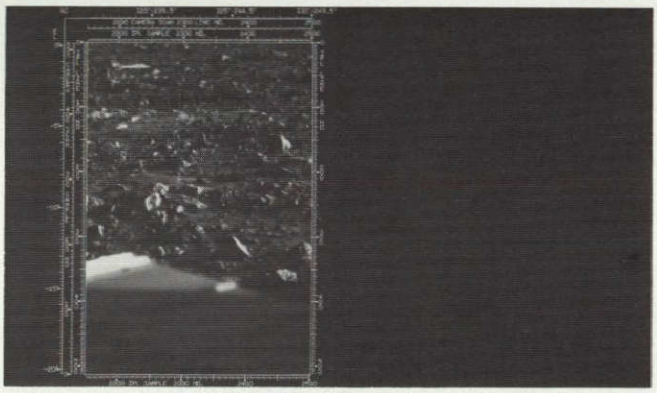


11B119/042 GRN 2/2

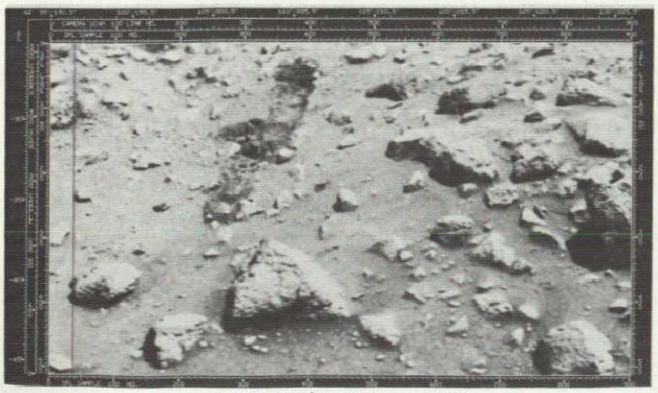
11B120/042 BB3 1/4

11B120/042 BB3 2/4

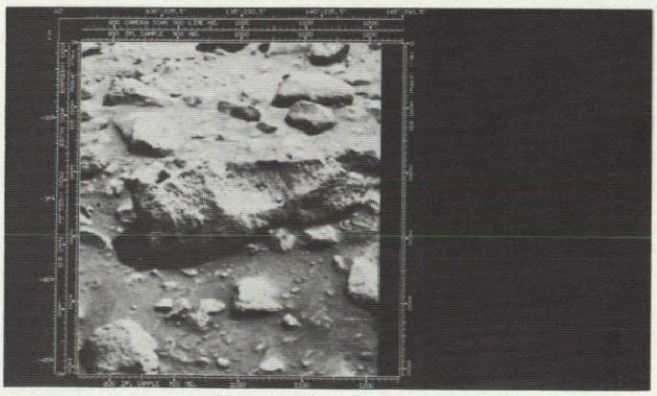
11B120/042 BB3 3/4



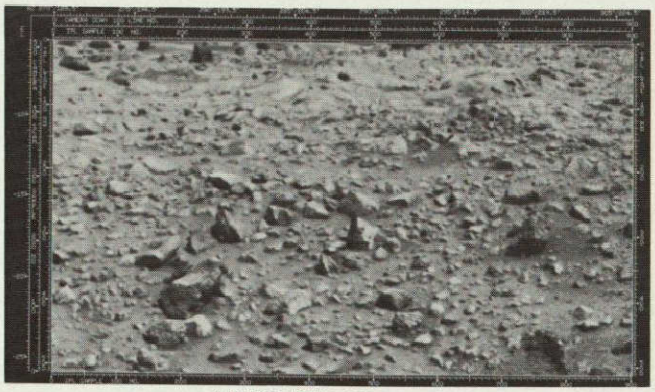
11B120/042 BB3 4/4



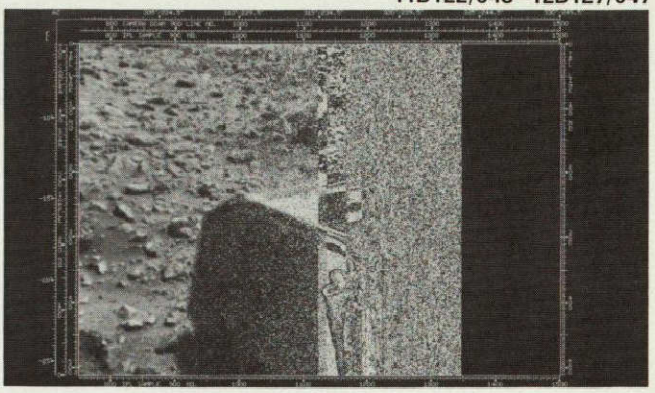
12B121/043 RED 1/2



12B121/043 RED 2/2

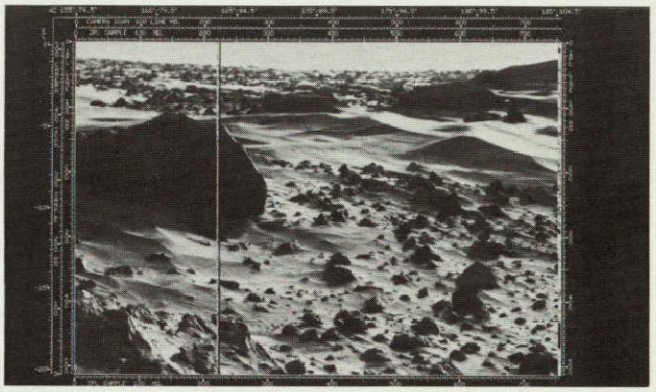


11B122/043 RED 1/2

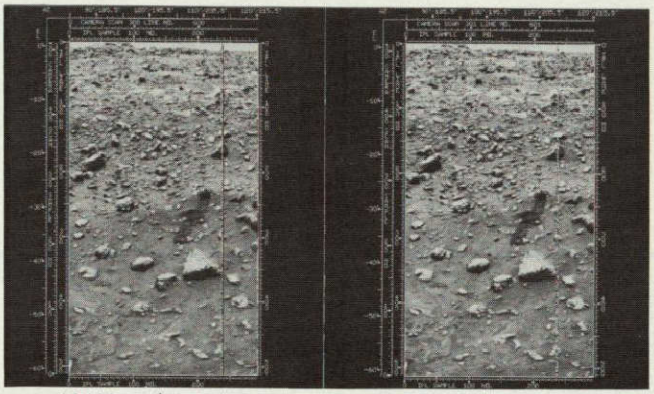


11B122/043 RED 2/2

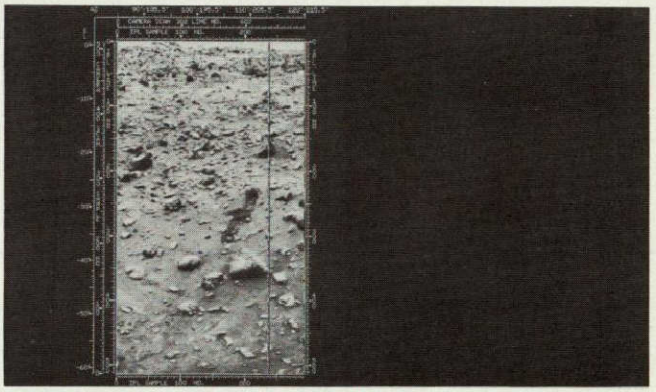
11B123/043 BB3



11B124/045 BB3

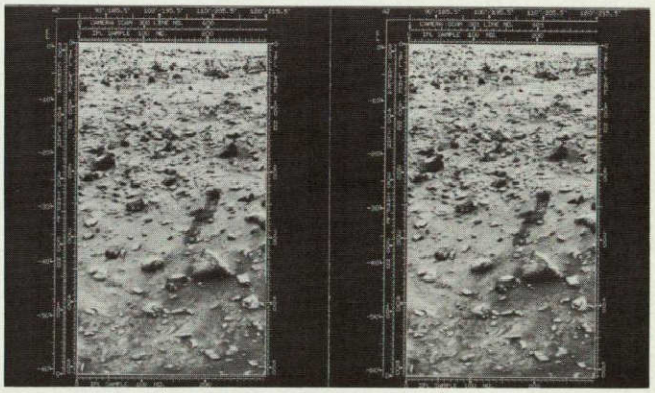


12B125/045 BLU/T 12B125/045 GRN/T



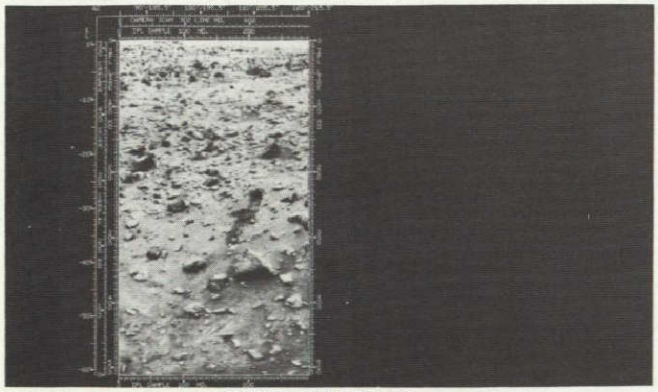
12B125/045 RED/T

11B126/046 BB3



12B127/047 IR3/T 12B127/047 IR2/T

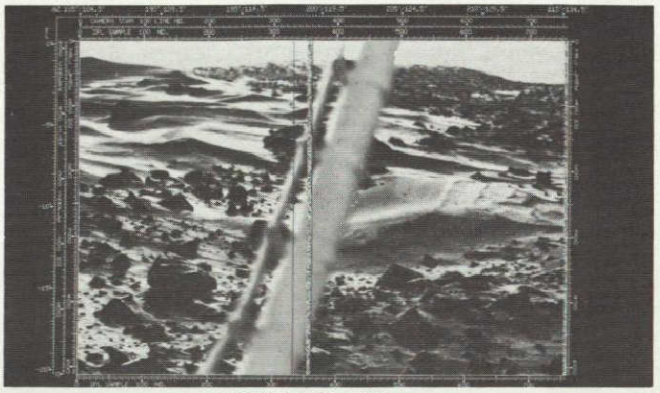
VL-1



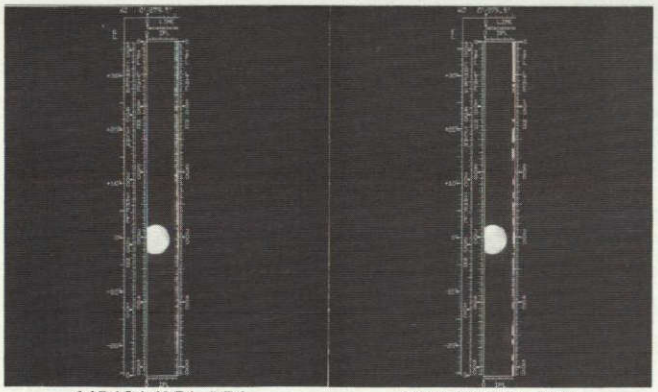
12B127/047 IR1/T

12B128/049 BB3

11B129/050 BB3

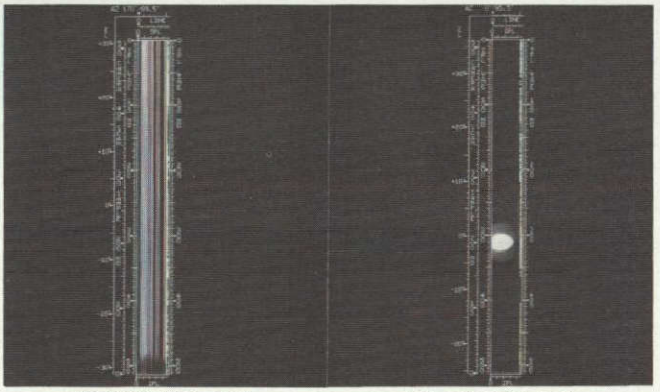


11B130/051 BB3



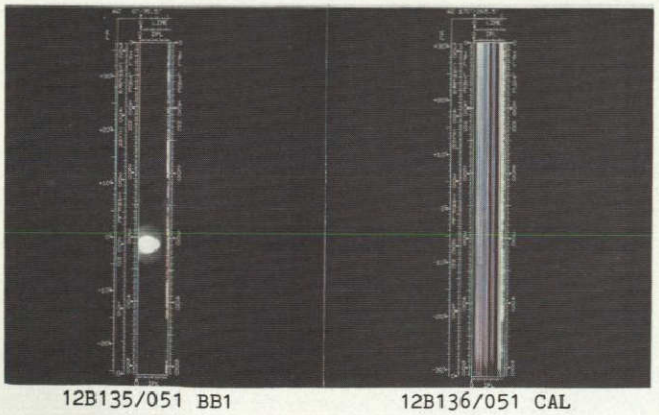
11B131/051 BB1

11B132/051 BB1



11B133/051 CAL

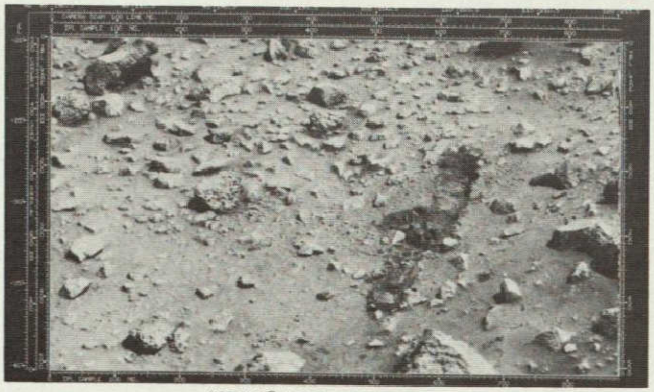
12B134/051 BB1



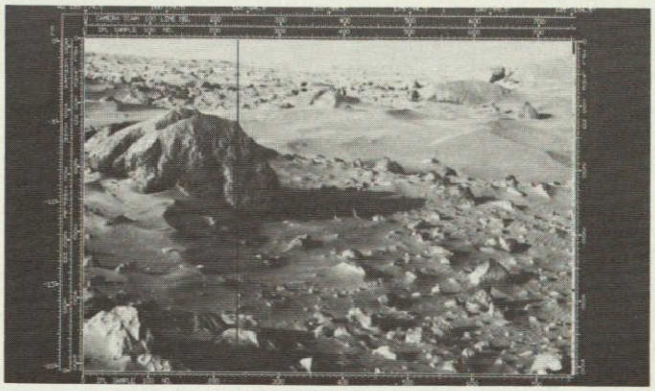
12B135/051 BB1

12B136/051 CAL

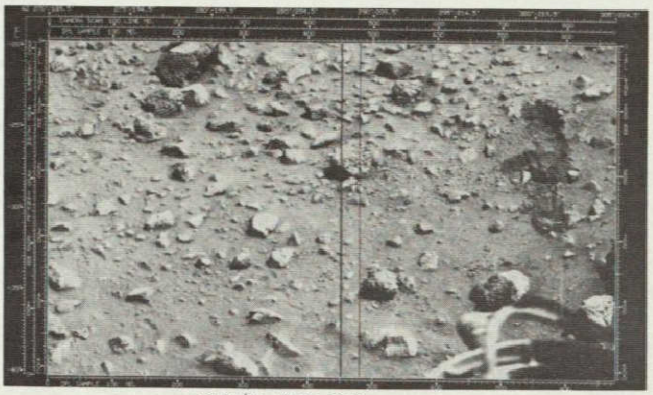
11B137/052 BB3



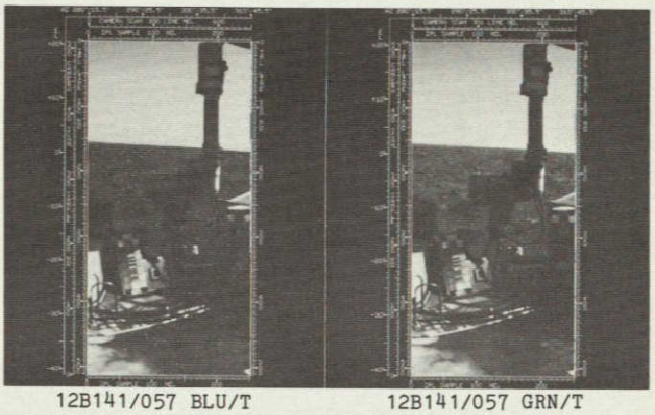
12B138/053 BB2



11B139/054 BB3

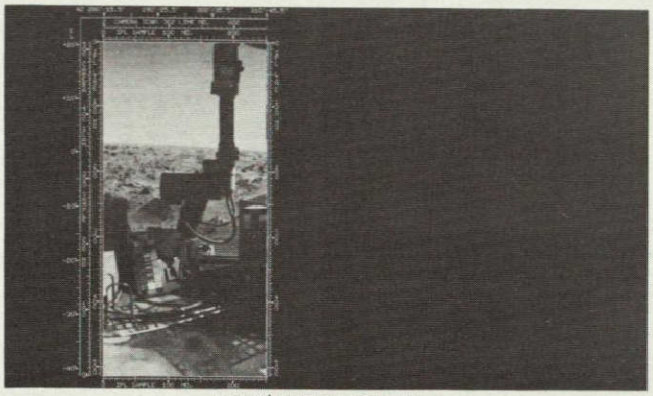


11B140/055 BB2

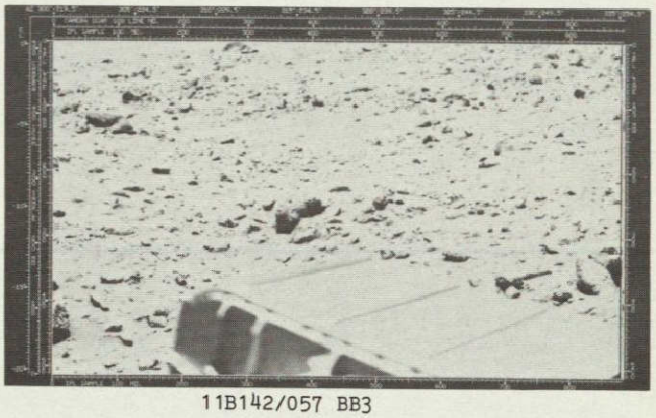


12B141/057 BLU/T

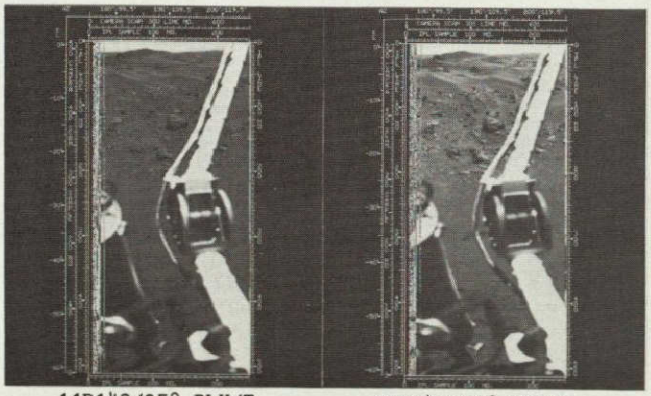
12B141/057 GRN/T



12B141/057 RED/T

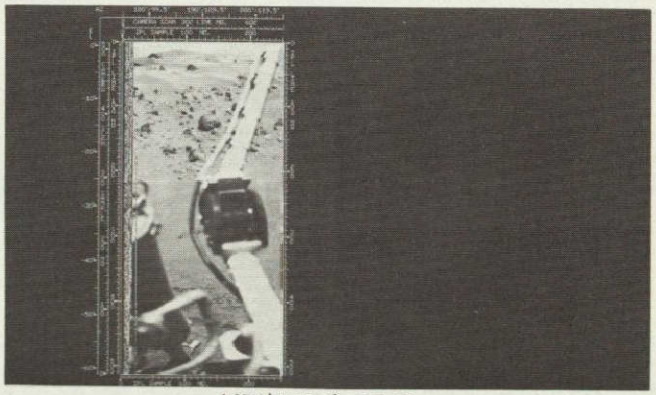


11B142/057 BB3



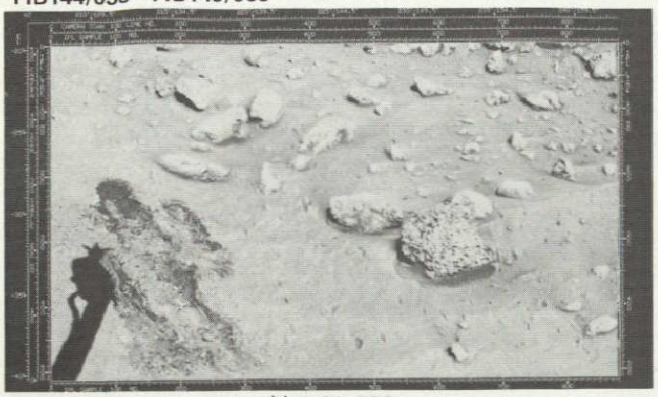
11B143/058 BLU/T

11B143/058 GRN/T

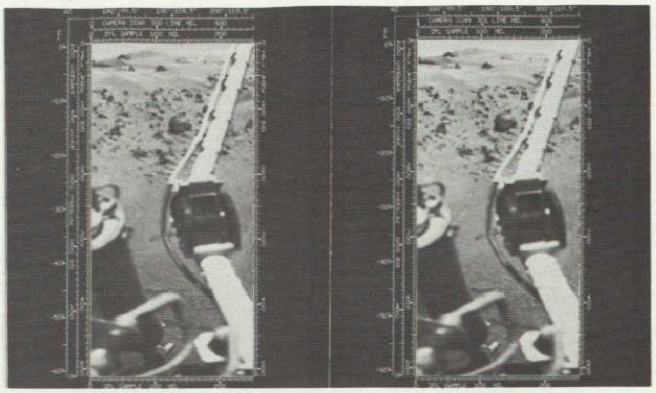


11B143/058 RED/T

VL-1

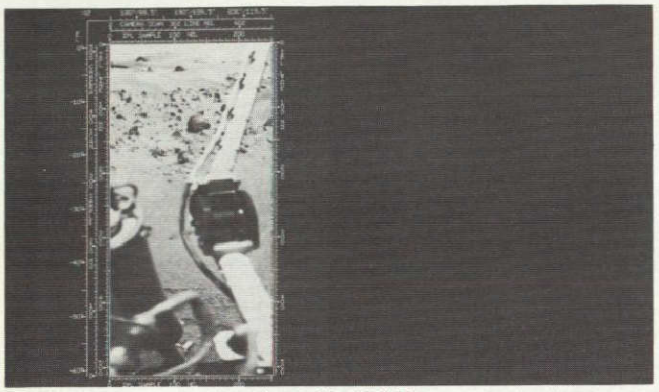


11B144/059 BB2

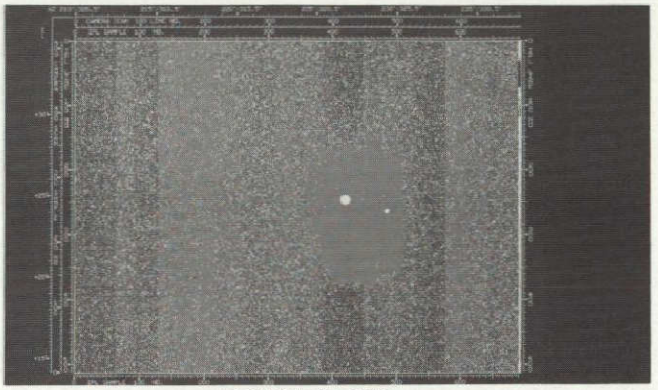


11B145/060 IR3/T

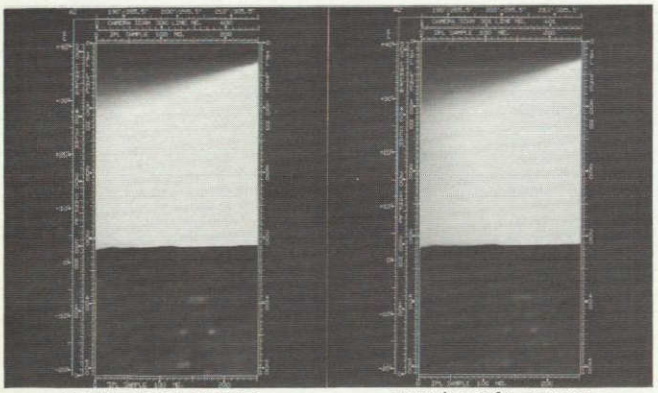
11B145/060 IR2/T



11B145/060 IR1/T

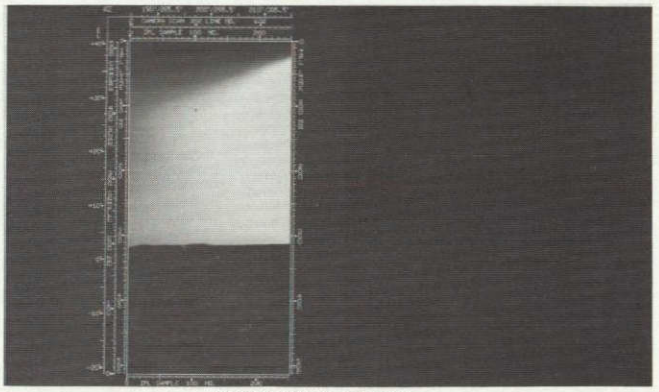


12B146/061 SUN

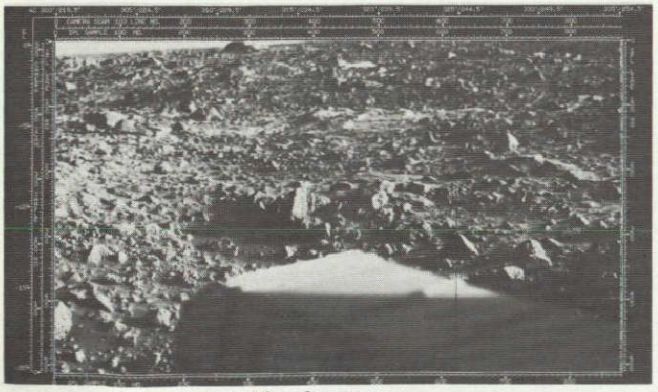


12B147/062 BLU/T

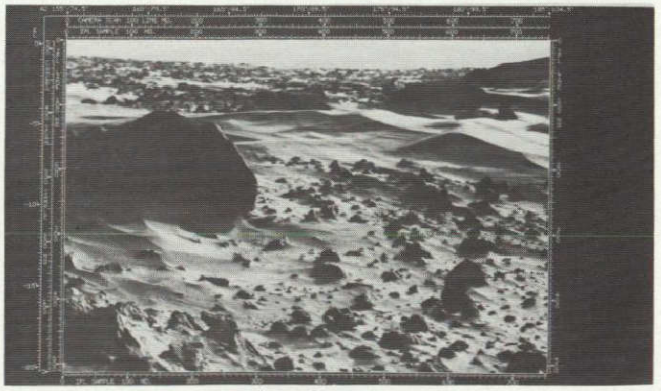
12B147/062 GRN/T



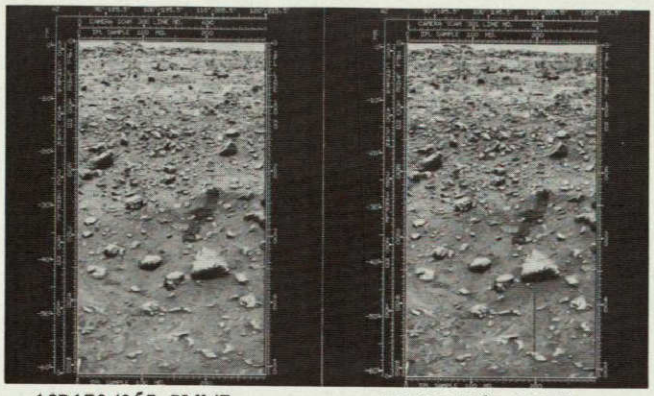
12B147/062 RED/T



11B148/063 BB3

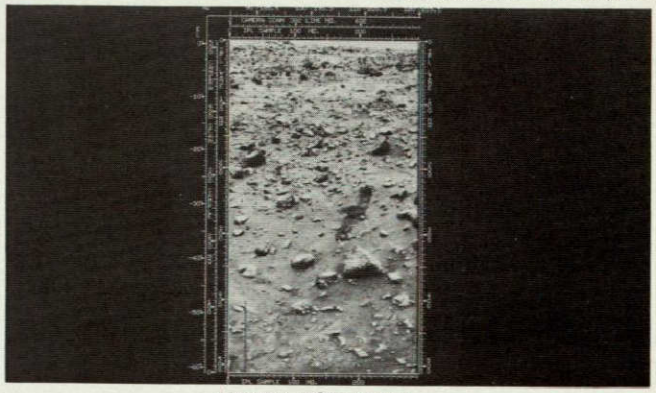


11B149/065 BB3



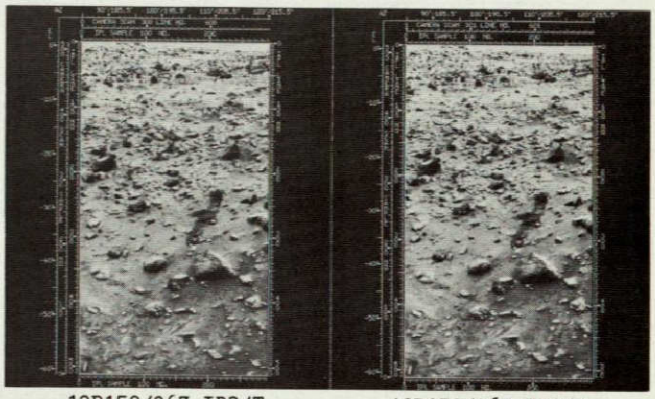
12B150/065 BLU/T

12B150/065 GRN/T



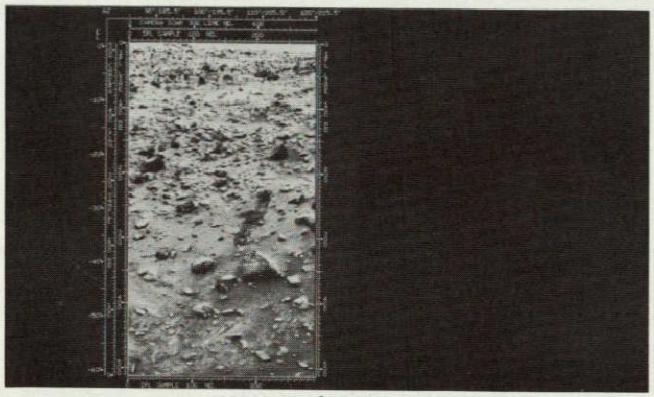
12B150/065 RED/T

11B151/066 BB3

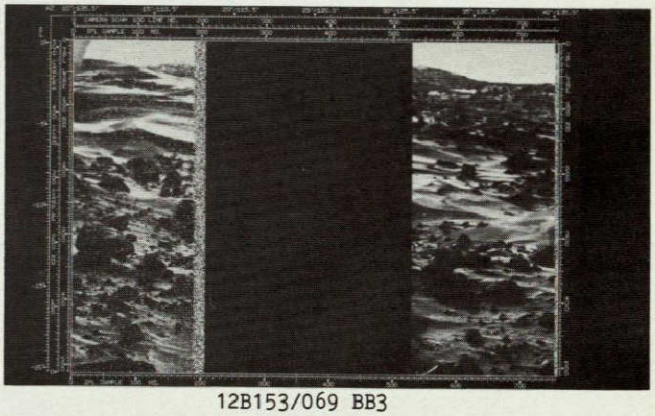


12B152/067 IR3/T

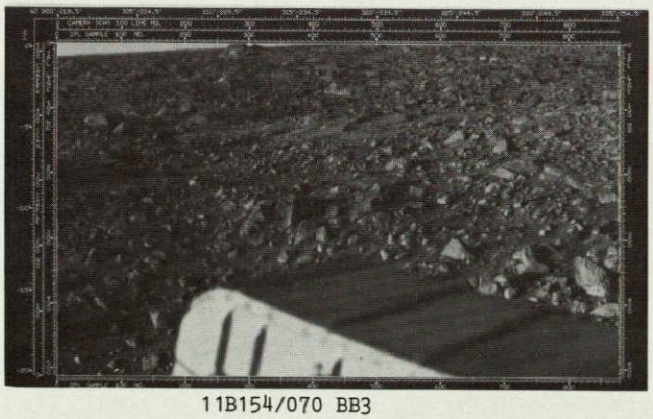
12B152/067 IR2/T



12B152/067 IR1/T



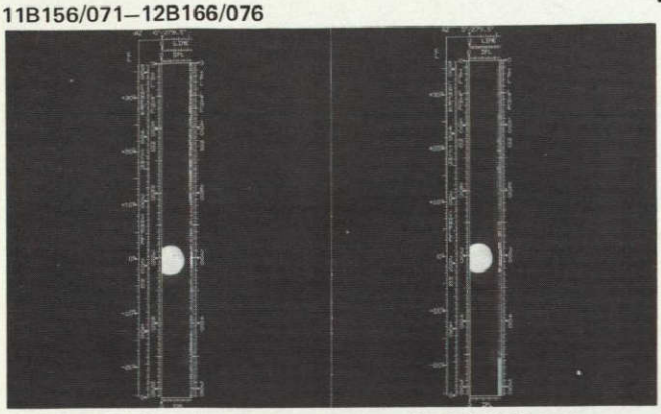
12B153/069 BB3



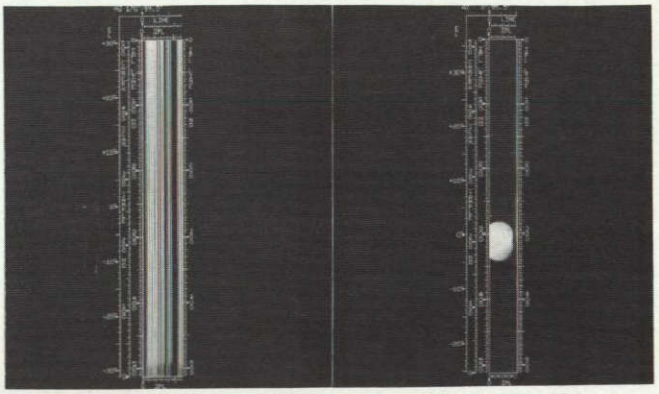
11B154/070 BB3

11B155/071 BB3

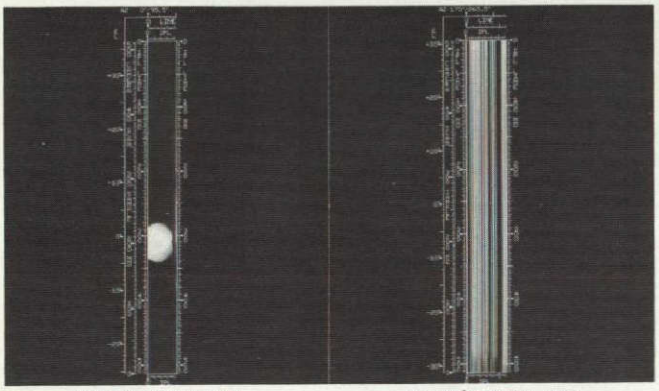
11B156/071–12B166/076



11B156/071 BB1 11B157/071 BB1

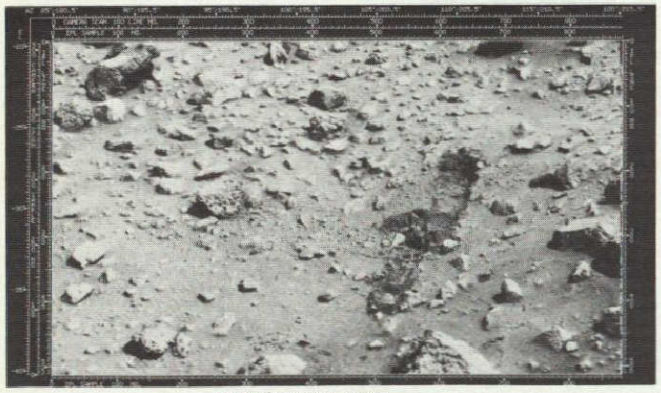


11B158/071 CAL 12B159/071 BB1

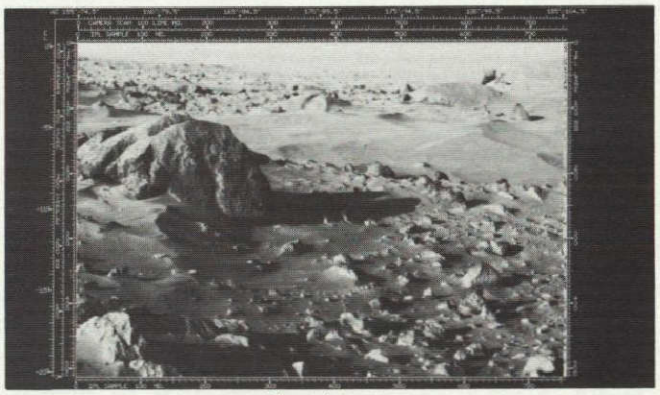


12B160/071 BB1 12B161/071 CAL

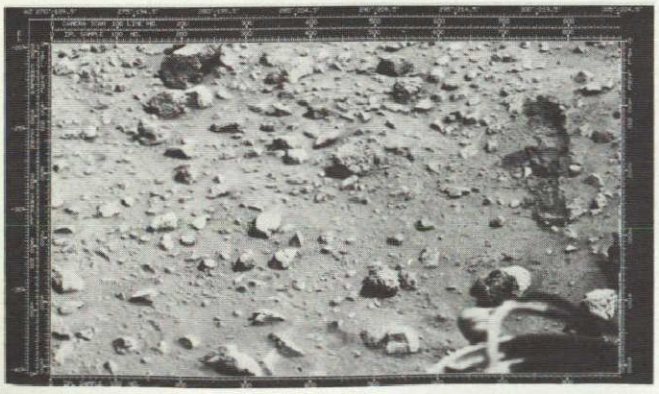
11B162/072 BB3



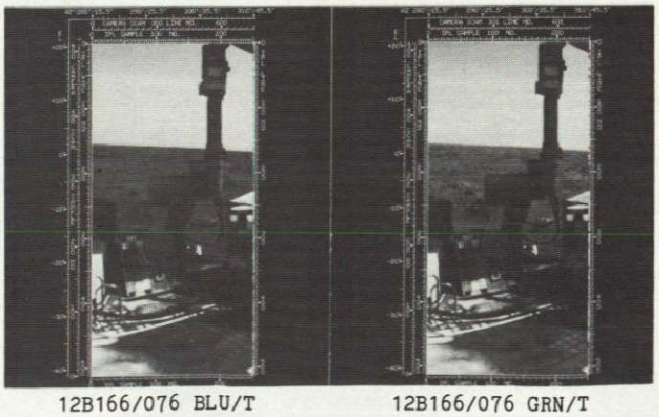
12B163/073 BB2



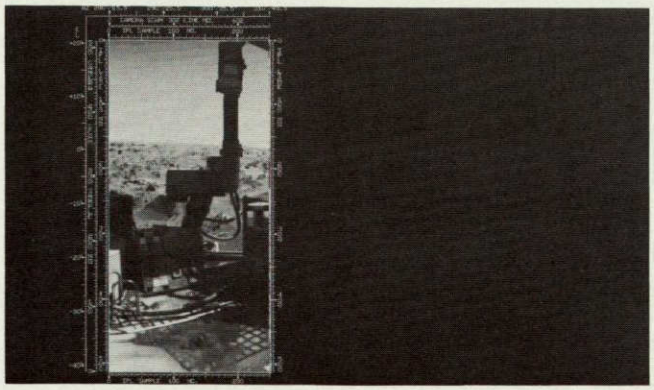
11B164/074 BB3



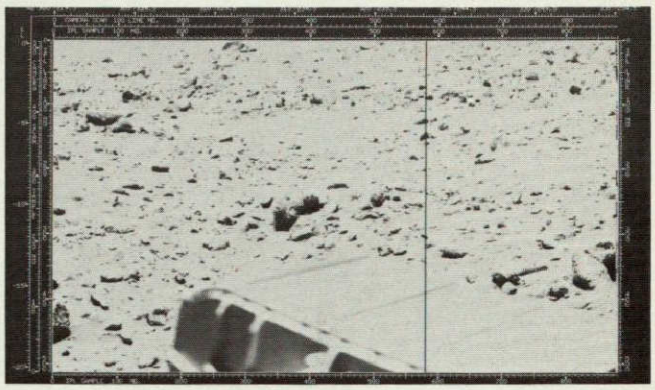
11B165/075 BB2



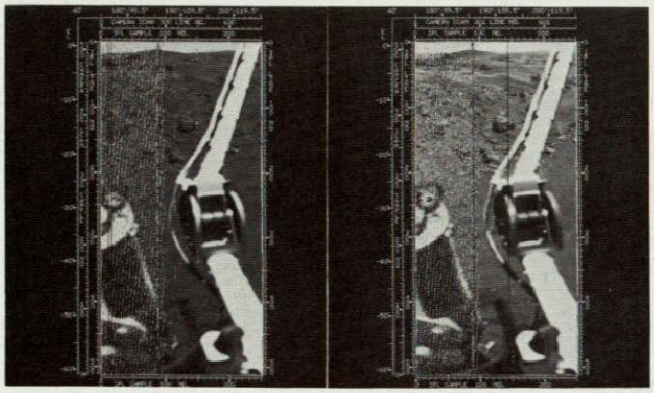
12B166/076 BLU/T 12B166/076 GRN/T



12B166/076 RED/T

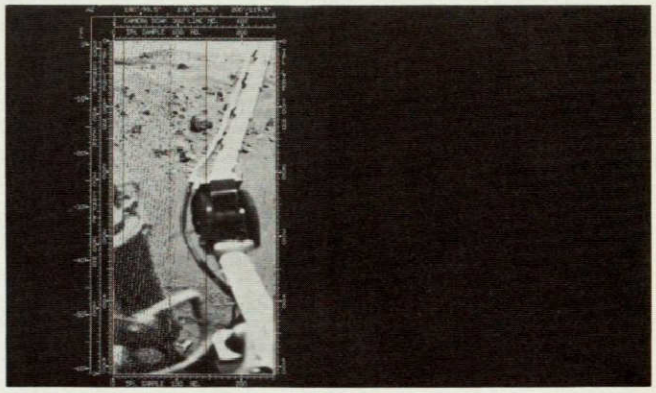


11B167/077 BB3

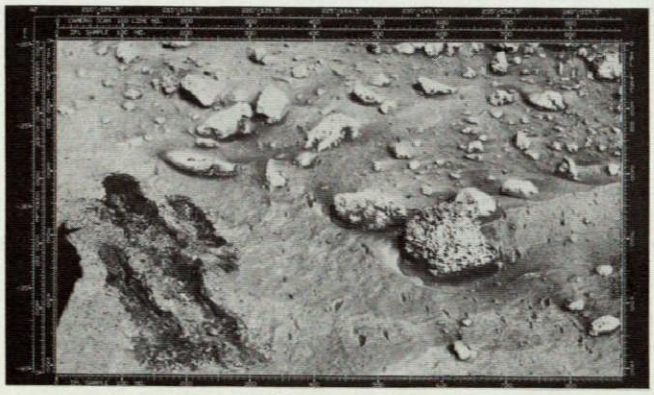


11B168/078 BLU/T

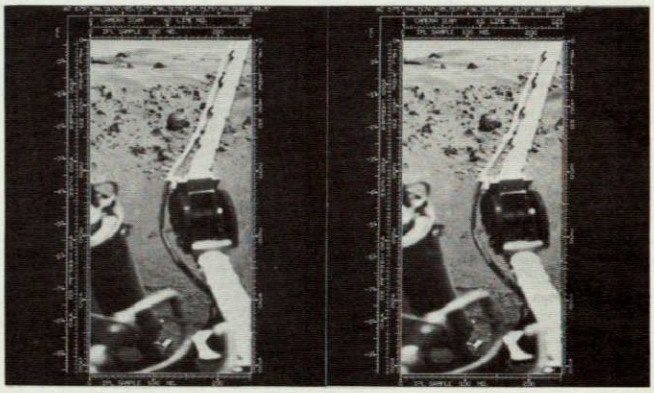
11B168/078 GRN/T



11B168/078 RED/T

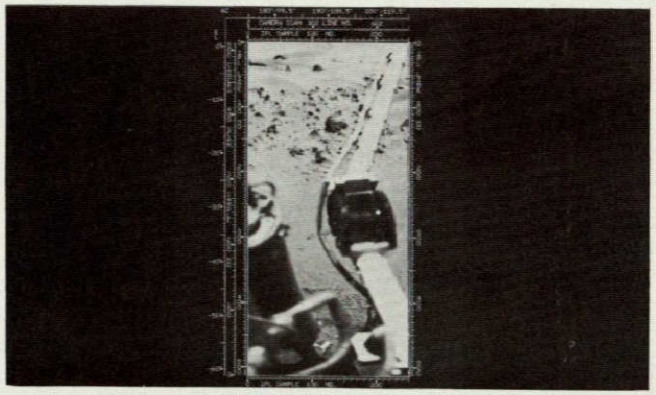


11B169/079 BB2

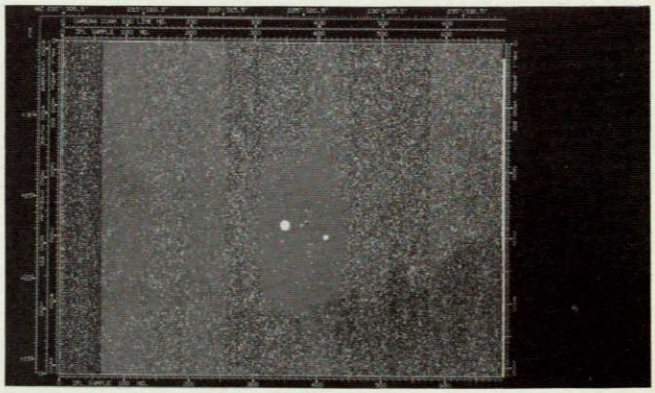


11B170/080 IR3/T

11B170/080 IR2/T

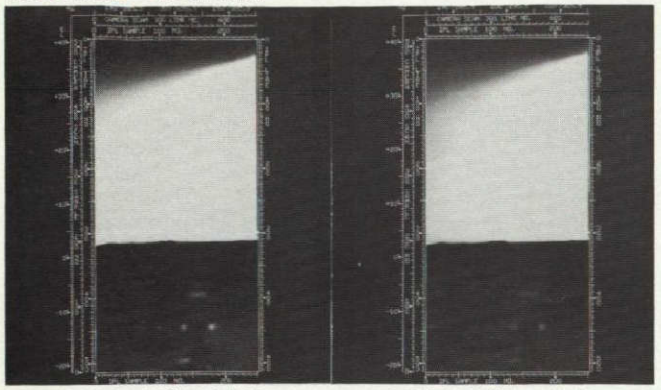


11B170/080 IR1/T

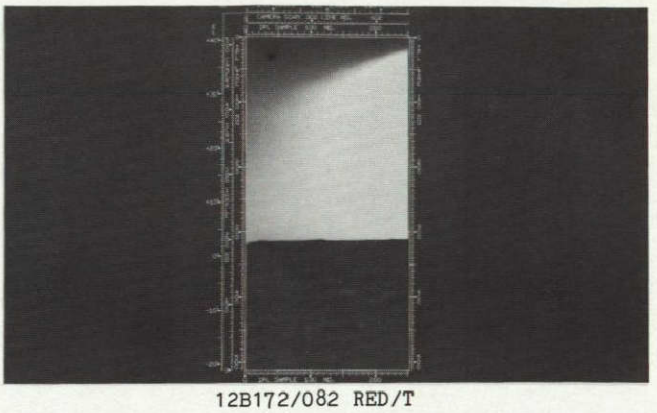


12B171/081 SUN

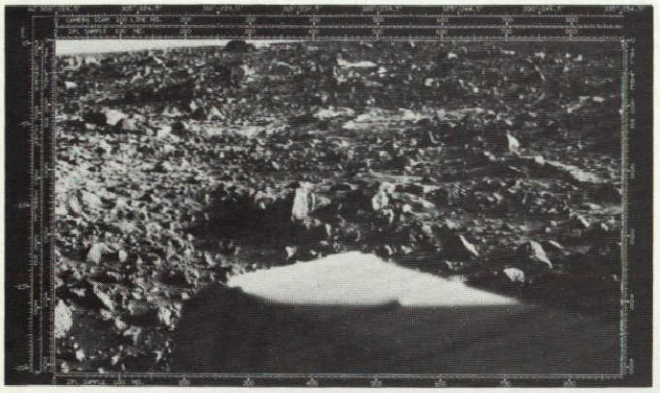
12B172/082–12B177/087



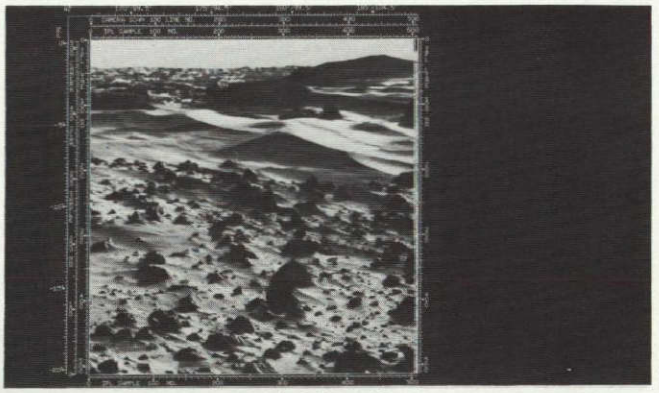
12B172/082 BLU/T 12B172/082 GRN/T



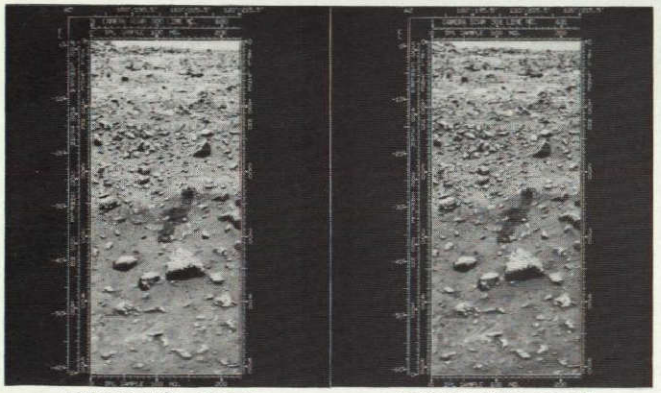
12B172/082 RED/T



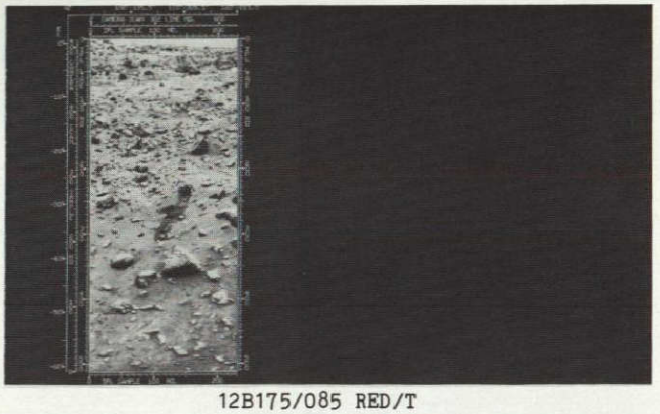
11B173/083 BB3



11B174/085 BB3

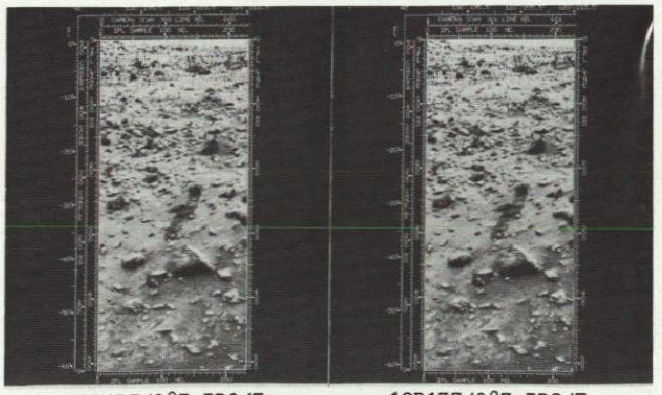


12B175/085 BLU/T 12B175/085 GRN/T

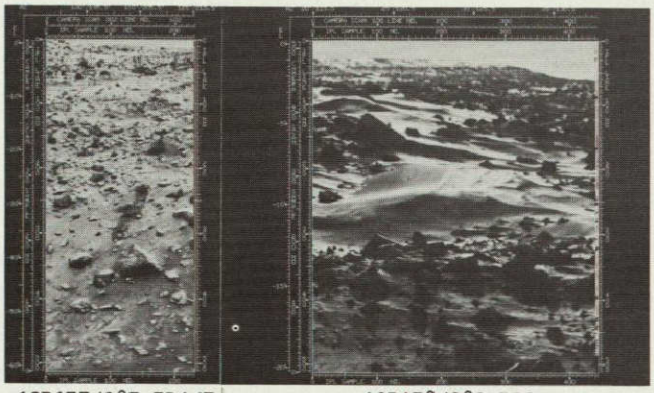


12B175/085 RED/T

11B176/086 BB3



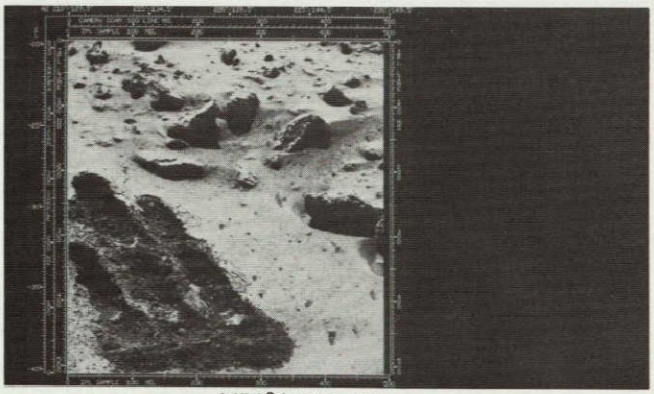
12B177/087 IR3/T 12B177/087 IR2/T



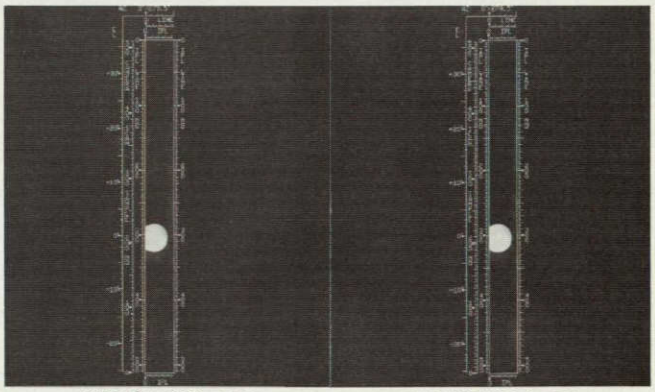
12B177/087 IR1/T

12B178/089 BB3

11B179/090 BB3

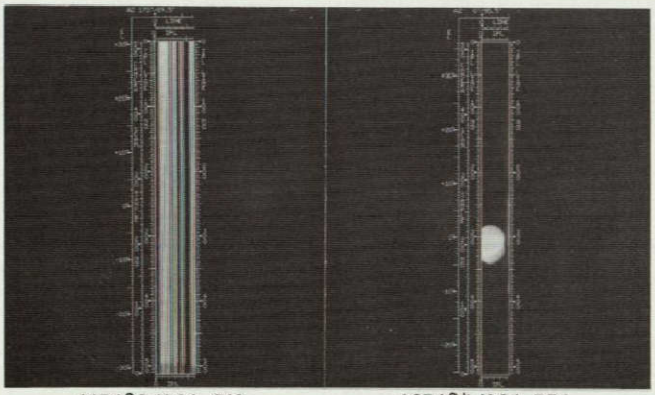


11B180/091 BB2



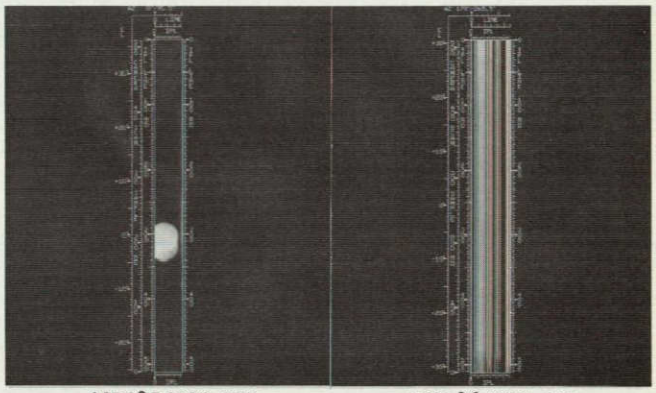
11B181/091 BB1

11B182/091 BB1



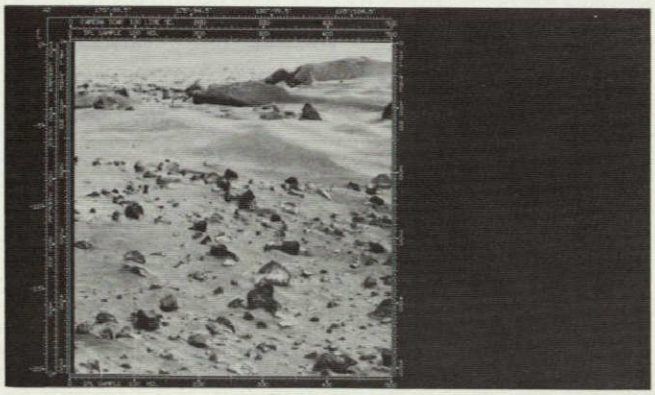
11B183/091 CAL

12B184/091 BB1

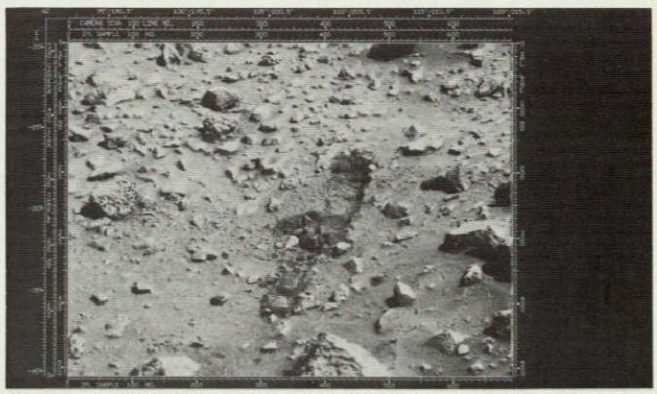


12B185/091 BB1

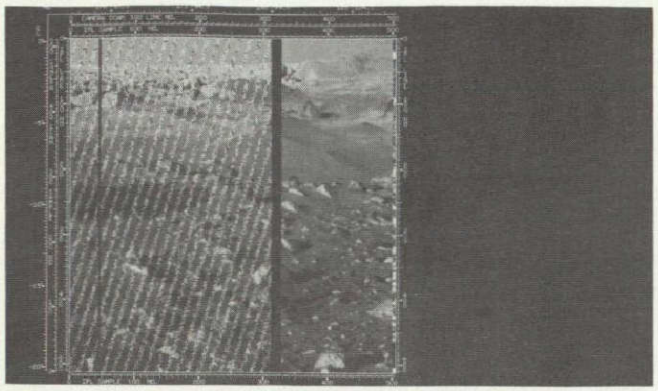
12B186/091 CAL



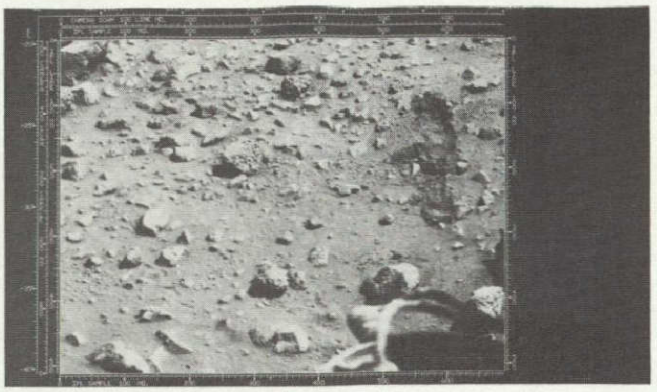
11B187/092 BB3



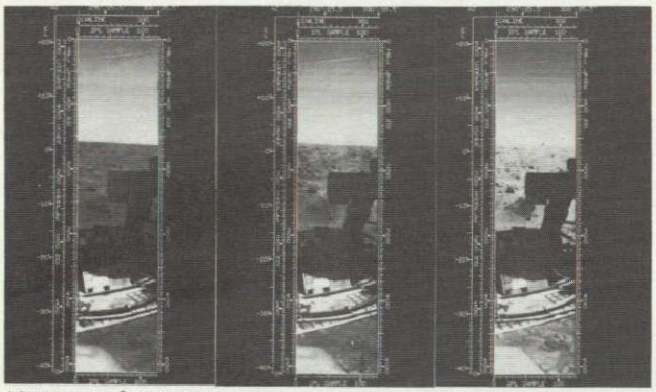
12B188/093 BB2



11B189/094 BB3

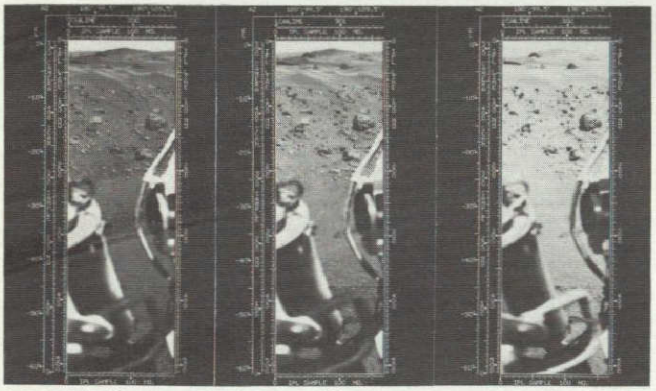


11B190/095 BB2



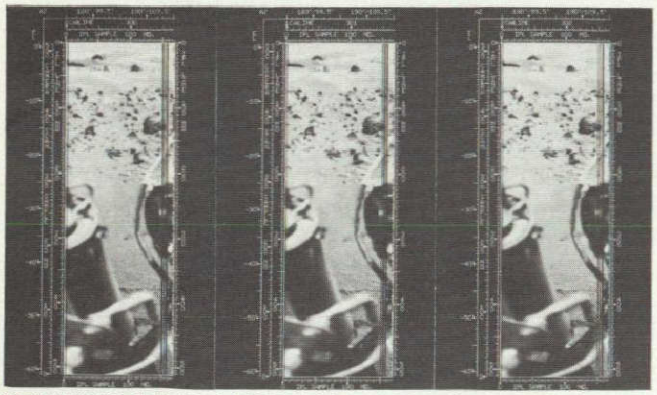
12B191/096 BLU/T 12B191/096 GRN/T 12B191/096 RED/T

11B192/097 BB3

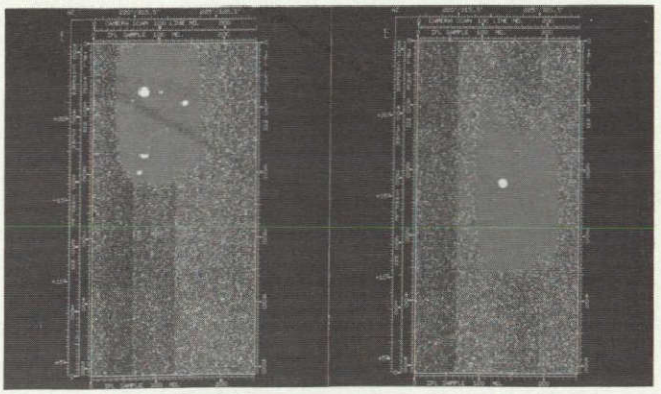


11B193/098 BLU/T 11B193/098 GRN/T 11B193/098 RED/T

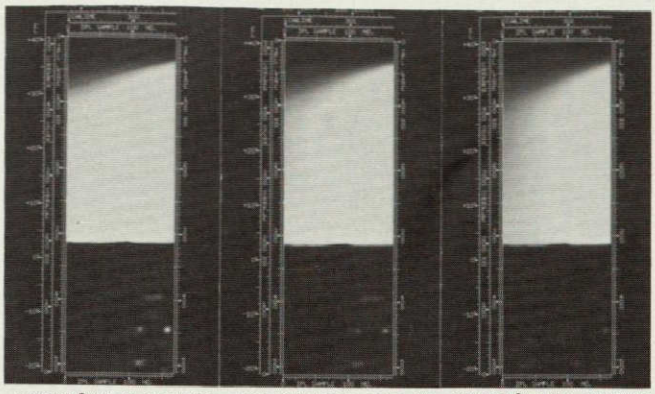
11B194/100 BB3



11B195/100 IR3/T 11B195/100 IR2/T 11B195/100 IR1/T



12B196/101 SUN 12B197/101 SUN



12B198/102 BLU/T 12B198/102 GRN/T 12B198/102 RED/T

VIKING LANDER 2 EXPERIMENT DATA RECORD

VIKING LANDER 2 EXPERIMENT DATA RECORD

This section contains the parameter lists, the skyline drawings, and the images for Viking Lander 2.

VL-2 PARAMETER LISTS

VL-2 PARAMETER LISTS

The organization of the VL-2 parameter lists which appear in this section are described in the section "Selection of Camera Event Parameter Lists." In all lists the parameter entries for each camera event are preceded by the camera event label. The format of this label is shown in figure 10.

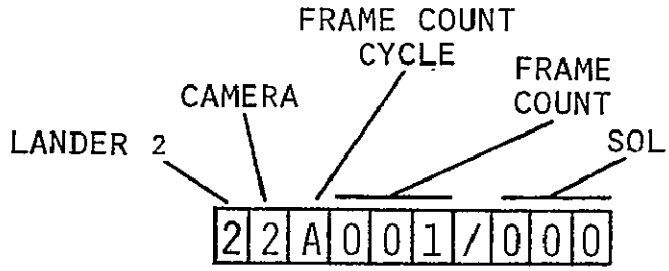


Figure 10.- Format of VL-2 camera event label.

VL-2 CAMERA EVENT REPORT

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VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
22A001/000	09:48:58	SINGLE	92 5/160 0	-50	.04	8/2	1	4	RT/UH	16K	14	118 6/50.7	353/-50	247/22:37:43	05:07.0	
		BB1 *	ISDR 1685	0	0	4	2		80 11	27.58		FN0001/01	3			
		FIRST PICTURE FROM LANDER TWO. ROCKS APPEAR VESICULAR. DUST AND GRANULES IN FOOT PAD VERTICAL LINES AT BEGINING OF IMAGE MUCH LIKE THOSE IN THE FIRST LANDER ONE IMAGE. REINFORCES INTERPRETATION THAT THESE LINES RECORD SETTLING DUST.														
22A002/000	09:55:33	SINGLE	10.0/325.0	-10	.12	14/3	1	4	RT/UH	16K	16	120 4/51.6	354/-51	247/22:44:19	08:52.0	
		SURV *	SDR 2812	2626	186	0	0		114.34	50.69		FN0001/02	4			
		FIRST VL2 SURVEY PANORAMA REVEALS ROCKY SURFACE STREWN WITH VESICULAR APPEARING ROCKS. FLAT SKYLINE. STREAKS (HORIZ) IN SKY ALSO SEEN IN VL1 SEEM TO INDICATE REFLECTIONS ON CAMERA NOT CLOUDS. NOT RESCAN														
22A003/000	14:59:59	COLOR	80.0/155 0	-20	.12	1/1	1	4	REC/UH	16K	20	243.7/49.4	1:8/-49	248/03:48.44	06:43.2	D
		BLU *	ISDR 628	627	2	0	0		102.69	22.24		FN0001/03	1			
		GRN *	ISDR 628	627	2	0	0		113 63	22.74		FN0001/04	1			
		RED *	ISDR 628	627	2	0	0		134.93	26.99		FN0001/05	1			
		COLOR OUT TO RIGHT FRONT OF ROCKY SURFACE														
22A004/000	15:06:42	SINGLE	170.0/170 0	0		15/7	1	2	REC/UH	16K	22	/	/	248/03:55:27	0:18.0	
		CAL	SDR 61	0	0	0	0		.00	.00		FN0001/06	1			
		CALIBRATION														
22A005/000	17:29:59	SINGLE	80 0/127 5	-30	.04	0/2	1	4	REC/UH	16K	18	274 8/25.6	149/-25	248/06:18:44	04.16.5	
		BB2 *	ISDR 1198	1189	9	0	0		81.28	29 91		FN0001/07	2			
		HI RES OF ICL SAMPLE SITE. PITTED OR VESICULAR ROCKS. SOME EVIDENCE OF DISTURBANCE. SMALL PITS IN FINE SURFACE MATTER THAT MAY HAVE FORMED ON LANDING SOME PATCHES OF PLATY LOOKING SURFACE MATERIAL.														
22A006/001	07:53 59	COLOR	305.0/310.0	-10	.12	1/1	1	4	REC/UH	16K	-6	93 2/32 7	327/-32	248/21:22:20	00:29.9	
		BLU	SDR 44	44	1	0	0		101.68	45 31		FN0001/08	1			
		GRN	SDR 44	44	1	0	0		104 54	44 83		FN0001/09	1			
		RED	SDR 44	44	1	0	0		112.96	47.83		FN0001/10	1			
		CAMERA 2 RTC (RTC2) IN SUNLIGHT. COLOR.														
22A007/001	09.28.56	SINGLE	80.0/127.5	-30	.04	0/2	1	4	RT/UH	16K	0	113 4/47.7	347/-47	248/22:57:16	05:55.0	
		BB2 *	ISDR 1664	1189	475	0	0		75 95	30 50		FN0001/11	3			
		MORNING REAL TIME HIGH RES OF ICL SAMPLE SITE. FIRST 20 DEG SOMEWHAT NOISY. 475 LINES OF RESCAN.														
22A008/001	10.53.49	SINGLE	117.5/155.0	-50	.04	8/2	1	4	REC/UH	16K	4	140.0/58.9	7/-52	249/00:22:10	03:23.2	
		BB1 *	ISDR 949	939	10	0	0		85.01	30.93		FN0001/12	2			
		FOOTPAD 3, PLATY AND VESICULAR ROCKS. BACKHOE MIRROR IN UPPER RIGHT														
22A009/001	11:14.59	SINGLE	295.0/305 0	-30	.04	8/2	1	5	REC/UH	16K	4	148 6/60 9	14/-55	249/00:43:20	00:56.6	
		BB1	SDR 262	251	11	0	0		71.18	28.54		FN0001/13	1			
		GRID AND LANDER TOP														
22A010/001	13:42.11	SINGLE	125.0/125.0	-50	.04	8/2	1	4	RT/SB	250	10	218 4/59 3	92/-59	249/03:10:31	11:48.0	
		BB1	ISDR 66	1	67	2	1		126.81	35.38		FN0001/14	1			
		RESCAN FOR VARIABLE FEATURES EXPERIMENT														

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VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
22A011/001	17:29.59	SINGLE	60.0/145.0		-10	.04	13/2	1	4 REC/UH	16K	10	274.7/25.5	149/-33	249/06:58:19	07:36.5	D
		BB3 *	ISDR	2132	2126	6	0	0	94.56	31.50		FN0001/15	3			
		HI RES TO FRONT OF LANDER. SMALL DRIFTS IN SHALLOW TRENCH.														
22A012/001	17:37:35	SINGLE	170.0/170.0		0		7/7	1	2 REC/UH	16K	12	/	/	248/07:05:55	0:18.0	
		CAL	SDR	60	0	0	0	0	.00	.00		FN0001/16	1			
		CALIBRATION														
22A013/002	09.26.57	COLOR	80.0/155.0		-20	.12	1/1	1	4 RT/UH	16K	-4	113.1/47.4	346/-39	249/23:34:53	05:55.0	
		BLU *	ISDR	554	0	0	72	1	82.35	57.88		FN0001/17	1			
		GRN *	ISDR	554	0	0	72	1	88.80	57.10		FN0001/18	1			
		RED *	ISDR	553	0	0	73	1	105.63	55.00		FN0001/19	1			
		REAL TIME COLOR 80 TO 146.5 DEG OF SAMPLE AREA. FIRST 20 DEG SOMEWHAT NOISY														
22A014/002	11:00.00	SINGLE	310.0/335.0		-20	.12	14/3	1	5 REC/UH	16K	0	142.5/59.4	9/-53	250/01:07:56	00:47.7	
		SURV	SDR	220	209	11	0	0	75.67	39.63		FN0001/20	1			
		LANDER TOP TOWARD RTG1 SHOWING BIOLOGY PDA DEPLOYED														
22A015/002	13.42:11	SINGLE	125.0/125.0		-50	.04	8/2	1	4 RT/SB	250	8	218.4/59.2	80/-62	250/03:50:07	11:48.0	
		BB1	ISDR	45	1	50	6	1	126.19	20.41		FN0001/21	1			
		RESCAN FOR VARIABLE FEATURES														
22A016/002	14.50:00	COLOR	15.0/ 80.0		0	.12	1/1	1	4 REC/UH	16K	10	240.9/50.7	108/-57	250/04:57:55	05:49.9	D
		BLU *	ISDR	545	544	2	0	0	97.96	40.50		FN0001/22	1			
		GRN *	ISDR	545	544	2	0	0	104.35	40.45		FN0001/23	1			
		RED *	ISDR	544	544	2	1	1	111.74	36.30		FN0001/24	1			
		COLOR TO LEFT FRONT OF LANDER														
22A017/002	14:55.49	SINGLE	170.0/170.0		0		15/7	1	2 REC/UH	16K	10	/	/	250/05:03:44	0:18.0	
		CAL	SDR	60	0	0	0	0	.00	.00		FN0001/25	1			
		CALIBRATION														
22A018/002	15:00.00	COLOR	155.0/210.0		0	.12	1/1	1	4 REC/UH	16K	10	243.6/49.3	112/-55	250/05:07:56	04:56.5	
		BLU *	ISDR	460	460	1	0	0	90.60	36.79		FN0001/26	1			
		GRN *	ISDR	460	460	1	0	0	94.06	37.95		FN0001/27	1			
		RED *	ISDR	459	460	1	1	1	97.32	39.14		FN0001/28	1			
		COLOR TO RIGHT OF LANDER														
22A019/003	08:00:00.	COLOR	305.0/310.0		+10	.12	1/1	1	4 REC/UH	16K	+10	94.5/33.6	329/-25	250/22:47:31	00:29.9	
		BLU	SDR	44	44	1	0	0	99.34	46.74		FN0002/01	1			
		GRN	SDR	44	44	1	0	0	102.59	45.75		FN0002/02	1			
		RED	SDR	44	44	1	0	0	111.76	48.97		FN0002/03	1			
		RTC2 IN SUNLIGHT. COLOR														
22A020/003	09:24:59	SINGLE	80.0/160.0		-50	.04	8/2	1	4 RT/UH	16K	-4	112.7/47.0	346/-39	251/00:12:30	05:55.0	
		BB1 *	ISDR	1662	0	0	339	2	76.54	29.51		FN0002/04	3			
		REAL TIME OF ROCKS NEAR FOOTPAD 3. IMAGE 80 TO 146.5 DEG. CACCS.														

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VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
22A021/003	12:52 11	SINGLE	132.5/142.5	-30	.12	14/3	1	4	RT/SB	250	8	196.3/62.8	55/-62	251/03:39:42	21:48.0	
		SURV *	SDR 87	84	11	8	1		117.46	30.06		FN0002/05	1			
		SMALL AREA OF SURVEY WITH SOME RESCAN FOR VARIABLE FEATURES.														
21A022/003	15:52:00	COLOR	35.0/ 40.0	-10	.12	1/1	1	4	REC/UH	16K	12	255.9/41.2	303/-48	251/06:39:31	00:29.9	
		BLU	ISDR 45	44	2	0	0		86.03	47 90		FN0002/06	1			
		GRN	ISDR 45	44	2	0	0		87.01	49.70		FN0002/07	1			
		RED	ISDR 44	44	2	1	1		74.32	41.67		FN0002/08	1			
		CAMERA 1 RTC IN SHADOW (RTC3). COLOR														
21A023/003	15:53:59	SINGLE	35.0/ 40 0	-20	.04	8/2	1	4	REC/UH	16K	12	256.4/40 9	304/-48	251/06:41:30	00:29.9	D
		BB1	SDR 137	126	11	0	0		40 86	10.29		FN0002/09	1			
		HIGH RES OF CAM 1 RTC (RTC3)														
21A024/003	17:49:00	SINGLE	270.0/297.5	-20	.04	13/2	1	4	REC/UH	16K	12	277 9/22.2	329/-30	251/08:36:31	02:29.9	
		BB3 *	ISDR 699	689	10	0	0		88 96	32.43		FN0002/10	1			
		HI RES TO FRONT OF LANDER SHOWING SHALLOW CHANNEL AND VESICULAR ROCKS. LINE OF DRIFTS.														
21A025/003	17.54:00	SINGLE	165 0/302 5	-10	.12	14/3	1	4	REC/UH	16K	12	278.7/21.4	330/-29	251/08:41:31	04:07.6	
		SURV *	ISDR 1153	1147	6	0	0		73.28	40.53		FN0002/11	2			
		CAMERA 1 SURVEY TO FRONT OF LANDER TOWARD SETTING SUN														
21A026/003	17.58:07	SINGLE	170.0/170.0	0		7/7	1	2	REC/UH	16K	12	/	/	251/08:45:38	0:18.0	
		CAL	SDR 60	0	0	0	0		.00	00		FN0002/12	1			
		CALIBRATION														
22A027/004	08:09:00	SINGLE	305 0/310.0	-20	.04	8/2	1	4	REC/UH	16K	-10	96.3/35.0	331/-26	251/23:36.06	00:29.9	
		BB1	SDR 135	126	9	0	0		100.50	66.16		FN0002/13	1			
		RTC2 IN SUNLIGHT. HI RES														
21A028/004	09:23:03	COLOR	197 5/335 0	-10	.12	1/1	1	4	RT/UH	16K	0	112 4/46.7	161/-38	252/00:50:09	05:55.0	
		BLU *	ISDR 554	0	0	593	1		101.08	42 21		FN0002/14	2			
		GRN *	ISDR 554	0	0	593	1		108.50	42.13		FN0002/15	2			
		RED *	ISDR 553	0	0	594	1		108.50	35.63		FN0002/16	2			
		COLOR 197 TO 264 DEG. (CACCS) LEFT FRONT OF LANDER														
21A029/004	15:36:00	SINGLE	7.5/ 35 0	-20	.12	14/3	1	4	REC/UH	16K	12	252.3/43.6	299/-50	252/07:03:06	00:52.1	
		SURV	SDR 241	230	11	0	0		92.10	45.81		FN0002/17	1			
		GCMS PDA DEPLOYED														
21A030/004	15.36:52	SINGLE	170.0/170.0	0		15/7	1	2	REC/UH	16K	12	/	/	252/07:03.58	0:18.0	
		CAL	SDR 61	0	0	0	0		.00	.00		FN0002/18	1			
		CALIBRATION														
21A031/004	17:00:00	SINGLE	182.5/255.0	-50	.04	8/2	1	4	REC/UH	16K	12	269.2/30.1	319/-38	252/08:27:06	06:29.9	
		BB1 *	SDR 1820	1814	6	0	0		67.84	40.27		FN0002/19	3			
		AREA NEAR LEFT FRONT OF LANDER WITH VESICULAR ROCKS AND SMALLER PLATY PIECES (FRACTURED CRUST?)														

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VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS			AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
21A032/004	17:30 00	SINGLE	275.0/305 0	-30	.04	0/2	1	4	REC/UH	16K	14	274 5/25.2	325/-33	252/08.57:06	02:43.2	
		BB2 *	ISDR 760	751	9	0	0		99.02	33 73		FN0002/20	1			
		HI RES TO RIGHT FRONT NEAR FIELD FOR STEREO PAIR														
21A033/004	20:13 59	COLOR	170 0/170.0	10	.12	1/1	1	4	REC/UH	250	6	302.7/ 0.1	354/ -7	252/11:41:05	40:03.2	R
		BLU *	ISDR 78	2	77	0	0		87.24	53.47		FN0002/21	1			
		GRN	ISDR 77	2	77	1	1		80.57	51.50		FN0002/22	1			
		RED	ISDR 77	2	77	1	1		69.50	48 63		FN0002/23	1			
		COLOR AT TWILIGHT FOR VARIABLE FEATURES														
21A034/005	09:21.09	SINGLE	270 0/297.5	-20	.04	13/2	1	4	RT/UH	16K	0	112 0/46.3	161/-38	253/01.27.50	05:55.0	
		BB3 *	ISDR 1664	689	975	0	0		77.10	31.88		FN0002/24	3			
		REAL TIME, SOMEWHAT NOISY OF ROCKS TO FRONT, RESCAN														
22A035/005	12:52.11	SINGLE	132.5/142 5	-30	.12	14/3	1	4	RT/SB	250	6	196.3/62.6	55/-62	253/04.58:52	21:48.0	
		SURV *	ISDR 95	84	11	0	0		118.28	31.75		FN0002/25	1			
		VARIABLE FEATURES SEGMENT WITH SOME RESCAN														
22A036/005	14:59.59	IR	65.0/180.0	-20	.12	9/1	1	4	REC/UH	16K	8	243 4/48.9	112/-55	253/07.06:40	10:16.5	D
		IR3	ISDR 960	960	1	0	0		101.77	31.37		FN0002/26	2			
		IR2	ISDR 960	960	1	0	0		96.53	29 48		FN0002/27	2			
		IR1 *	ISDR 959	960	1	1	1		101.18	31.05		FN0002/28	2			
		IR TRIPLET OF AREA TO RIGHT FRONT.														
22A037/005	15:10·15	SINGLE	170.0/170.0	0		7/7	1	2	REC/UH	16K	12	/	/	253/07:16.56	0:18.0	
		CAL	SDR 60	0	0	0	0		.00	.00		FN0002/29	1			
		CALIBRATION														
22A038/006	08.00.00	IR	305.0/310 0	-10	.12	9/1	1	4	REC/UH	16K	-10	94.9/33.4	330/-25	254/00:46.17	00:29.9	
		IR3	SDR 44	44	1	0	0		90.36	48 41		FN0003/01	1			
		IR2	SDR 44	44	1	0	0		88.20	48.37		FN0003/02	1			
		IR1	SDR 44	44	1	0	0		90.25	45 94		FN0003/03	1			
		IR CALIBRATION														
21A039/006	09:19.16	SINGLE	200.0/280.0	-50	.04	8/2	1	4	RT/UH	16K	0	111.7/46.0	161/-38	254/02.05.33	05:55.0	
		BB1 *	ISDR 1663	0	0	338	1		92.06	41.55		FN0003/04	3			
		REDUNDANT HI-RES NEAR LANDER														
21A040/006	11:00·00	SINGLE	35.0/ 60.0	-20	.04	8/2	1	4	REC/UH	16K	6	143.1/59.1	186/-52	254/03.46·17	02.16.6	
		BB1	ISDR 649	626	23	0	0		74.99	53.33		FN0003/05	1			
		RTC'S AND MAGNET														
22A041/006	11:15·00	SINGLE	295.0/305.0	-30	.04	8/2	1	5	REC/UH	16K	0	149.3/60.5	15/-54	254/04:01:17	00.56.6	
		BB1	SDR 262	251	11	0	0		72.12	29.83		FN0003/06	1			
		GRID-CAMERA #2														

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VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
21A042/006	11.20 00	SINGLE	40.0/ 50.0	-30	.04	8/2	1	5	REC/UH	16K	6	151 5/60 9	192/-55	254/04:06:17	00:56.6	
		BB1	SDR 262	251	11	0	0		57.68	34 03		FN0003/07	1			
		GRID-CAMERA #1														
22A043/006	12.52·12	SINGLE	132.5/142.5	-30	.12	14/3	1	4	RT/SB	250	6	196 3/62 5	55/-62	254/05 38·28	21:48.0	
		SURV *	ISDR 87	84	11	8	1		117.65	29.69		FN0003/08	1			
		VARIABLE FEATURES														
21A044/006	17:30.00	SINGLE	232 5/275 0	-30	.04	0/2	1	4	REC/UH	16K	10	274.4/25.0	325/-33	254/10.16:17	03.49.9	
		BB2 *	ISDR 1070	1064	6	0	0		68.99	29.14		FN0003/09	2			
		HI-RES AFTERNOON MOSAIC														
21A045/006	17·33 49	SINGLE	170 0/170.0	0		7/7	1	2	REC/UH	16K	12	/	/	254/10:20:06	0:18.0	
		CAL	SDR 60	0	0	0	0		.00	.00		FN0003/10	1			
		CALIBRATION														
22A046/006	17:40 00	SINGLE	37.5/ 47 5	-20	.04	0/2	1	4	REC/UH	16K	8	276.2/23.4	151/-31	254/10:26.17	00:56.6	
		BB2 *	SDR 260	251	9	0	0		61.86	30.84		FN0003/11	1			
		SAMPLE SITE IN HI-RES														
21A047/006	17:57.00	SINGLE	132.5/167.5	10	.12	4/3	1	2	REC/UH	16K	12	279.1/20.6	330/-28	254/10:43:17	01:05.5	
		SUN	SDR 302	293	9	0	0		34.90	1.72		FN0003/12	1			
		SUN DIODE-AFTERNOON EXTINCTION														
21A048/007	03.44 59	COLOR	290 0/290.0	10	.12	1/1	1	4	REC/UH	250	-12	50 1/-5 4	100/ 10	254/21:10.51	40:03.2	R
		BLU *	ISDR 57	2	57	1	1		103.45	63.37		FN0003/13	1			
		GRN	ISDR 58	2	57	0	0		99.67	61.42		FN0003/14	1			
		RED	ISDR 57	2	57	1	1		87.44	56.63		FN0003/15	1			
		VARIABLE FEATURES-TWILIGHT														
21A049/007	06:12 00	SINGLE	285 0/320.0	10	.12	4/3	1	1	REC/UH	16K	-6	76.0/15.9	127/ -8	254/23:37:52	01:05.5	
		SUN	ISDR 302	293	9	0	0		63.06	1.05		FN0003/16	1			
		MORNING EXTINCTION														
21A050/007	09·17 23	SINGLE	200.0/290 0	0	.04	5/2	1	4	RT/UH	16K	0	111.4/45.6	160/-37	255/02:43.15	05:55.0	
		BB4 *	ISDR 1663	0	0	588	1		131.46	45 18		FN0003/17	3			
		MORNING RTI HI-RES MOSAIC														
22A051/007	12:52 11	SINGLE	132.5/142 5	-30	.12	14/3	1	4	RT/SB	250	6	196.4/62.4	55/-62	255/06:18:03	21.48.0	
		SURV *	ISDR 95	84	11	0	0		118.43	32.64		FN0003/18	1			
		VARIABLE FEATURES														
21A052/007	16:00.00	SINGLE	182.5/232.5	-30	.04	0/2	1	4	REC/UH	16K	10	257.4/39.5	305/-47	255/09:25:52	04:29.9	
		BB2 *	SDR 1262	1251	11	0	0		76.86	36.90		FN0003/19	2			
		AFTERNOON HI-RES REC. MOSAIC														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
21A053/007	16:04.29	SINGLE	170.0/170.0	0		15/7	1	2	REC/UH	16K	12	/	/	255/06.30:21	0:18.0	
		CAL	SDR 62	0	0	0	0		.00	.00		FN0003/20	1			
		CALIBRATION														
21A054/008	09:15 33	SINGLE	260.0/335.0	0	.04	5/2	1	4	RT/UH	16K	-2	111.1/45.3	160/-37	256/03:21:00	05:55.0	
		BB4 *	ISDR 1663	0	0	213	1		158.15	64.39		FN0003/21	3			
		MORNING RTI HI-RES MOSAIC														
22A055/008	12:52:11	SINGLE	135.0/135.0	-40	.04	8/2	1	4	RT/SB	250	6	196.4/62.3	55/-62	256/06:57:38	21:48.0	
		BB1	ISDR 95	1	94	0	0		121.86	27.97		FN0003/22	1			
		VARIABLE FEATURES														
22A056/008	14:29 59	SINGLE	37 5/ 47 5	-20	.04	0/2	1	4	REC/UH	16K	10	234.7/52.8	101/-58	256/08:35:26	00:54.5	D
		BB2 *	SDR 252	251	1	0	0		109.94	34.59		FN0003/23	1			
		SAMPLE SITE BEFORE ACQUISITION														
21A057/008	14:51.33	SINGLE	227 5/237.5	-30	.04	0/2	1	4	REC/UH	16K	10	241.0/49 8	285/-56	256/08.57:00	00:54.5	
		BB2 *	SDR 252	251	1	0	0		112.29	32.78		FN0003/24	1			
		STEREO PAIR WITH 22A056														
22A058/008	14:53:33	SINGLE	37.5/ 47.5	-20	.04	0/2	1	4	REC/UH	16K	10	241.5/49.6	109/-55	256/08.59:00	00:54.5	
		BB2 *	ISDR 252	251	1	0	0		105.66	36.20		FN0003/25	1			
		SAMPLE SITE IMAGE														
21A059/008	14:56:33	SINGLE	162.5/190.0	-10	.04	13/2	1	4	REC/UH	16K	10	242.3/49.1	286/-55	256/09:02:00	02:27.9	
		BB3 *	SDR 690	689	1	0	0		79.55	31.88		FN0003/26	1			
		HI-RES OF HORIZON														
21A060/008	16.26.30	SINGLE	7 5/ 35 0	-20	.12	14/3	1	4	REC/UH	16K	12	262.6/35.1	312/-43	256/10:31:57	00:50.1	
		SURV	SDR 232	230	2	0	0		88.62	36.50		FN0003/27	1			
		COLLECTOR HEAD OVER BIO PDA														
21A061/008	17:45:59	SINGLE	275.0/282.5	-10	.04	8/2	1	3	REC/UH	16K	12	277.1/22.2	328/-30	256/11:51:26	00:41.2	
		BB1	ISDR 186	0	0	3	1		182.47	45.67		FN0003/28	1			
		IMAGE BACKHOE MAGNET														
21A062/009	07:49:59	SINGLE	227.5/237.5	-30	.04	0/2	1	4	REC/UH	16K	-4	93.4/31.6	144/-23	257/02:35:02	00:54.5	
		BB2 *	SDR 250	0	0	1	1		55.07	28 20		FN0003/29	1			
		SAMPLE SITE AFTER ACQUISITION														
22A063/009	07:51:59	SINGLE	37.5/ 47.5	-20	.04	0/2	1	4	REC/UH	16K	-8	93.7/32.0	329/-23	257/02:37:02	00:54.5	
		BB2 *	SDR 253	251	2	0	0		64.92	28.81		FN0003/30	1			
		STEREO PAIR WITH 21A062														
22A064/009	08:01:59	COLOR	37 5/ 47 5	-10	.12	1/1	1	4	REC/UH	16K	-6	95.6/33 6	330/-25	257/02:47:02	00:54.5	
		BLU	SDR 83	0	0	1	1		87.34	43.73		FN0003/31	1			
		GRN	SDR 83	0	0	1	1		91.10	41.83		FN0003/32	1			
		RED	SDR 82	0	0	2	1		93.03	37.08		FN0003/33	1			
		COLOR MOSAICOF SAMPLE SITE														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN	/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
21A065/009	08:03 59	SINGLE	157.5/162 5	-10	.04	13/2	1	4	REC/UH	16K	-4	96.0/33.9	147/-25	257/02:49:02	00:27.9	
		BB3 *	SDR 125	0	0	1	1		126.20	20.93		FN0003/34	1			
		HI-RES REC. MOSAIC														
21A066/009	08:04 26	SINGLE	170 0/170 0	0		7/7	1	2	REC/UH	16K	-4	/	/	257/02:49:29	0:18.0	
		CAL	SDR 60	0	0	0	0		.00	.00		FN0003/35	1			
		CALIBRATION														
22A067/009	09:13 44	SINGLE	10.0/ 90.0	0	.04	5/2	1	4	RT/UH	16K	-2	110.8/45 0	344/-36	257/03:58:46	05:55.0	
		BB4 *	ISDR 1663	0	0	338	1		124.68	41.69		FN0003/36	3			
		HI-RES RTI MOSAIC														
21A068/009	12:00 10	SINGLE	245.0/245.0	-40	.04	8/2	1	4	RT/SB	250	6	170 7/62.7	208/-59	257/06:45:12	11:48.0	
		BB1	SDR 46	1	50	5	1		130.17	14.94		FN0003/37	1			
		VARIABLE FEATURES														
21A069/009	16:49·58	SINGLE	190.0/217 5	-10	.04	13/2	1	4	REC/UH	16K	10	267 0/31.2	317/-39	257/11:35:01	02:27.9	
		BB3 *	SDR 690	689	1	0	0		66.76	33.08		FN0003/38	1			
		AFTERNOON HI-RES REC. MOSAIC														
22A070/010	07:49·59	SINGLE	37.5/ 47 5	-20	.04	0/2	1	4	REC/UH	16K	-8	93.5/31.6	328/-23	258/03:14:37	00:54.5	
		BB2 *	ISDR 255	251	4	0	0		65.29	29.90		FN0004/01	1			
		SAMPLE SITE AFTER DIG														
21A071/010	09:11.58	SINGLE	135.0/225 0	0	.04	5/2	1	4	RT/UH	16K	-13	110.5/44.6	160/-36	258/04:36:36	05:55.0	
		BB4 *	ISDR 1662	0	0	589	2		139.56	34.52		FN0004/02	3			
		MORNING HI-RES RTI MOSAIC														
21A072/010	09:46 06	COLOR	235 0/310.0	-30	.12	1/1	1	4	RT/UH	16K	6	119.2/49.7	167/-42	258/05:10:43	06:12.5	
		BLU *	ISDR 582	0	0	44	1		76.22	41.19		FN0004/03	1			
		GRN *	ISDR 579	0	0	47	3		82.00	42.24		FN0004/04	1			
		RED *	ISDR 580	0	0	46	2		91.87	45.23		FN0004/05	1			
		COLOR MOSAIC														
22A073/010	12:10:11	SINGLE	135.0/135.0	-40	.04	8/2	1	4	RT/SB	250	6	175.8/62.8	36/-60	258/07:34:48	21:48.0	
		BB1	ISDR 95	1	94	0	0		115.74	28.55		FN0004/06	1			
		VARIABLE FEATURES														
21A074/010	15.44:59	SINGLE	12 5/ 27.5	-20	.04	8/2	1	5	REC/UH	16K	12	253.9/41.6	301/-49	258/11·09:37	01:21.2	
		BB1	ISDR 374	0	0	2	2		31.67	21.10		FN0004/07	1			
		SURFACE SAMPLER IMAGE														
21A075/010	17:29·59	SINGLE	217.5/265.0	-10	.04	13/2	1	4	REC/UH	16K	12	274.2/24.6	325/-32	258/12.54:37	04:14.5	
		BB3 *	ISDR 1182	0	0	7	6		69.57	31.09		FN0004/08	2			
		AFTERNOON HI-RES REC. MOSAIC														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
21A076/011	09:10.13	SINGLE	70.0/160.0	0	.04	5/2	1	4	RT/UH	16K	-15	110.3/44.3	160/-36	259/05.14.26	05·55.0	
		BB4 *	ISDR 1663	0	0	588	1		126.92	50.38		FN0004/09	3			
		RTI HI-RES MOSAIC														
21A077/011	09.44·20	SINGLE	125.0/335 0	-20	.12	14/3	1	4	RT/UH	16K	0	118.9/49.4	167/-41	259/05:48.33	06:33.0	
		SURV *	ISDR 1841	1751	90	0	0		113.02	52.77		FN0004/10	3			
		TO COMPLETE CAMERA #1 SURVEY														
21A078/011	14:30:10	SINGLE	245.0/245.0	-40	.04	8/2	1	4	RT/SB	250	8	234.6/52.5	277/-58	259/10.34:23	11:48.0	
		BB1	SDR 48	1	50	3	1		94.97	39.87		FN0004/11	1			
		VARIABLE FEATURES														
21A079/012	09:06.03	SINGLE	212 5/327.5	-50	.04	8/2	1	4	RT/UH	16K	-4	109.4/43.6	159/-35	260/05:49 51	10. 3.0	
		BB1 *	ISDR 2675	0	0	201	2		70.10	47 22		FN0004/12	4			
		MORNING RTI HI-RES COMP.														
21A080/012	09:40.48	SINGLE	175 0/250.0	-50	.04	8/2	1	4	RT/UH	16K	2	118.1/48.8	166/-41	260/06:24.36	6.33.0	
		BB1 *	ISDR 1841	0	0	35	1		98.11	48.94		FN0004/13	3			
		MORNING RTI HI-RES COMP.														
21A081/012	11:07.59	COLOR	55 0/ 60 0	-10	.12	1/1	1	4	REC/UH	16K	6	147 3/59 3	189/-53	260/07:51:47	00:27.9	
		BLU	ISDR 42	0	0	1	1		130.81	68.64		FN0004/14	1			
		GRN	ISDR 41	0	0	2	1		128.59	66 94		FN0004/15	1			
		RED	ISDR 41	0	0	2	1		125.03	60.05		FN0004/16	1			
		COLOR OF RTC														
21A082/012	11:59.59	COLOR	197 5/287.5	-30	.12	1/1	1	4	REC/UH	16K	8	170 9/62.3	208/-59	260/08:43.47	08:01.2	D
		BLU *	ISDR 750	0	0	1	1		102.83	31.13		FN0004/17	1			
		GRN *	ISDR 750	0	0	1	1		114.85	33.66		FN0004/18	1			
		RED *	ISDR 749	0	0	2	1		124.90	34 60		FN0004/19	1			
		COLOR MOSAIC														
21A083/012	12:08.00	SINGLE	170 0/170 0	0		15/7	1	2	REC/UH	16K	10	/	/	260/08:51·48	0:18.0	
		CAL	SDR 61	0	0	0	0		.00	.00		FN0004/20	1			
		CALIBRATION														
21A084/012	12.14:59	COLOR	287 5/322.5	-10	.12	1/1	1	4	REC/UH	16K	10	178.3/62.6	215/-60	260/08.58·47	03:07.8	
		BLU *	ISDR 289	0	0	4	2		94.87	43.53		FN0004/21	1			
		GRN *	ISDR 290	0	0	3	1		100.98	45.03		FN0004/22	1			
		RED *	ISDR 290	0	0	3	1		98.22	41.33		FN0004/23	1			
		COLOR MOSAIC														
21A085/012	15:15.10	SINGLE	260 0/260.0	-40	.04	8/2	1	4	RT/SB	250	10	246.8/45.9	292/-52	260/11:58:58	11:48.0	
		BB1	ISDR 51	1	50	0	0		105.78	44.17		FN0004/24	1			
		VARIABLE FEATURES														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
22A086/012	17:11:00	SINGLE	310.0/335.0	-30	.12	14/3	1	5	REC/UH	16K	8	270.7/27.5	145/-35	260/13:54:48	00:45.6	D
		SURV	ISDR 208	0	0	1	1		35.07	24.21		FN0004/25	1			
		COLLECTOR HEAD IN FUNNEL														
22A087/012	17:11:45	SINGLE	170.0/170.0	0		15/7	1	2	REC/UH	16K	10	/	/	260/13:55:33	0:18.0	
		CAL	SDR 61	0	0	0	0		.00	.00		FN0004/26	1			
		CALIBRATION														
22A088/013	09:04:23	SINGLE	77.5/200.0	-30	.04	0/2	1	4	RT/UH	16K	-10	109.2/43.3	343/-35	261/06.27:46	10:03.0	
		BB2 *	ISDR 2675	0	0	389	2		81.47	44.78		FN0005/01	4			
		MORNING RTI HI-RES MOSAIC														
22A089/013	09:39:08	SINGLE	10.0/ 90.0	-30	.04	0/2	1	4	RT/UH	16K	-2	117.8/48.5	350/-40	261/07:02:31	06:33.0	
		BB2 *	ISDR 1841	0	0	160	1		115.76	48.01		FN0005/02	3			
		MORNING RTI HI-RES MOSAIC														
21A090/013	11:06 32	SINGLE	35.0/ 60.0	-20	.04	8/2	1	4	REC/UH	16K	4	146.8/59.1	189/-53	261/08 29.56	02:14.5	
		BB1	SDR 627	626	1	0	0		75.57	56.22		FN0005/03	1			
		HI-RES OF RTC AND SEISMOMETER														
22A091/013	14:24.10	SINGLE	90.0/ 90.0	-40	.04	8/2	1	4	RT/SB	250	10	232.6/53.0	98/-58	261/11.47.33	11.48.0	
		BB1	ISDR 49	1	50	2	1		139.87	49.54		FN0005/04	1			
		VARIABLE FEATURES														
22A092/013	17:10.58	SINGLE	310.0/335.0	-30	.12	14/3	1	5	REC/UH	16K	10	270.6/27.4	145/-35	261/14:34:22	00:45.6	
		SURV	SDR 211	209	2	0	0		33.68	21.56		FN0005/05	1			
		COLLECTOR HEAD OVER X-RAY FUN.														
22A093/013	17.19:59	SINGLE	145.0/182.5	-10	.04	13/2	1	4	REC/UH	16K	10	272.2/25.9	146/-34	261/14.43.23	03:21.2	
		BB3 *	ISDR 940	939	1	0	0		118.31	23.23		FN0005/06	2			
		EVENING HI-RES REC. MOSAIC														
22A094/013	17:23:20	SINGLE	170.0/170.0	0		15/7	1	2	REC/UH	16K	12	/	/	261/14 46:44	0:18.0	
		CAL	SDR 61	0	0	0	0		.00	.00		FN0005/07	1			
		CALIBRATION														
22A095/014	06:05:59	SINGLE	55.0/130.0	-50	.04	8/2	1	3	REC/UH	16K	-13	75.7/14.5	311/ -6	262/04.08.58	6.41.2	
		BB1 *	ISDR 1875	0	0	1	1		72.21	51.47		FN0005/08	3			
		MORNING HI-RES REC. COMP.														
22A096/014	09:02.45	SINGLE	77.5/200.0	-10	.04	13/2	1	4	RT/UH	16K	8	109.0/43.0	342/-34	262/07.05 44	10:03.0	
		BB3 *	ISDR 2349	0	0	715	4		85.84	59.66		FN0005/09	4			
		MORNING RTI HI-RES MOSAIC														
22A097/014	09:37.31	SINGLE	10.0/ 90.0	-10	.04	13/2	1	4	RT/UH	16K	-6	117.5/48.2	350/-40	262/07:40:29	06:33.0	
		BB3 *	ISDR 1839	0	0	162	2		107.91	35.36		FN0005/10	3			
		POST-RTI HI-RES MOSAIC														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
21A098/014	13:57 11	SINGLE	260.0/260.0	-40	.04	8/2	1	4	RT/SB	250	8	223 5/56.2	263/-60	262/12:00:09	11:48.0	
		BB1	ISDR 51	1	50	0	0		142.40	29.33		FN0005/11	1			
		VARIABLE FEATURES														
21A099/014	16:30 00	COLOR	35 0/ 40.0	-10	.12	1/1	1	4	REC/UH	16K	12	262 9/33.9	312/-41	262/14:32:59	00:27.9	
		BLU	SDR 42	0	0	1	1		91.62	47.22		FN0005/12	1			
		GRN	SDR 41	0	0	2	1		92.77	49.40		FN0005/13	1			
		RED	SDR 41	0	0	2	1		81.19	44.68		FN0005/14	1			
		RTC FOR SKY BRIGHTNESS														
21A100/014	17:08:59	SINGLE	150.0/190.0	10	.12	10/3	1	4	REC/UH	16K	12	270.2/27.6	320/-35	262/15:11:58	01:12.3	
		IR2	SDR 336	334	2	0	0		79.64	64.34		FN0005/15	1			
		SKY BRIGHTNESS														
21A101/014	17:11:59	COLOR	150 0/192.5	10	.12	1/1	1	5	REC/UH	16K	12	270 7/27.1	321/-35	262/15:14:58	03:47.8	
		BLU	ISDR 354	0	0	1	1		94 68	70.23		FN0005/16	1			
		GRN	ISDR 354	0	0	1	1		92.02	68.85		FN0005/17	1			
		RED	ISDR 354	0	0	1	1		87.74	63.89		FN0005/18	1			
		SKY BRIGHTNESS														
21A102/014	17:15:46	SINGLE	170.0/170.C	0		7/7	1	2	REC/UH	16K	14	/	/	262/15:18:45	0:18.0	
		CAL	SDR 61	0	0	0	0		.00	.00		FN0005/19	1			
		CALIBRATION														
22A103/014	17:29.59	SINGLE	157 5/182 5	-30	.04	0/2	1	4	REC/UH	16K	8	273.9/24.2	148/-32	262/15:32:58	02:14.5	
		BB2 *	SDR 627	626	1	0	0		99.08	47.96		FN0005/20	1			
		AFTERNOON HI-RES REC. MOSAIC														
22A104/014	17:53 59	SINGLE	182 5/230.0	-10	.04	5/2	1	4	REC/UH	16K	10	278 1/20.3	153/-28	262/15:56:58	04:14.5	
		BB4 *	ISDR 1185	0	0	4	1		93.43	28.80		FN0005/21	2			
		AFTERNOON HI-RES REC. MOSAIC														
22A105/015	09:01:09	SINGLE	220.0/335.0	0	.04	5/2	1	4	RT/UH	16K	-17	108.8/42 6	342/-34	263/07:43:43	10:03.0	
		BB4 *	ISDR 2328	0	0	548	3		125.99	51.13		FN0006/01	4			
		MORNING RTI HI-RES MOSAIC														
22A106/015	09:35.54	SINGLE	160 0/235.0	0	.04	5/2	1	4	RT/UH	16K	-2	117.3/47.9	349/-40	263/08:18:28	06:33.0	
		BB4 *	ISDR 1841	0	0	35	1		134.54	78 06		FN0006/02	3			
		MORNING RTI HI-RES MOSAIC														
22A107/015	13.42.10	SINGLE	90 0/ 90.0	-40	.04	8/2	1	4	RT/SB	250	10	217.9/57.6	80/-61	263/12:24:44	11:48.0	
		BB1	ISDR 58	1	59	2	1		150.77	30.85		FN0006/03	1			
		VARIABLE FEATURES														
21A108/015	14:49 59	SINGLE	27.5/ 65.0	-10	.04	5/2	1	4	REC/UH	16K	10	240.0/49.3	284/-55	263/13:32:33	03:21.2	
		BB4 *	ISDR 940	939	1	0	0		95.98	61.99		FN0006/04	2			
		AFTERNOON HI-RES REC. MOSAIC														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
21A109/015	15:58:14	SINGLE	7 5/ 35 0	-20	.12	14/3	1	4	REC/UH	16K	12	256.4/38.9	304/-46	263/14:40:48	00:50.1	
		SURV	ISDR 232	230	2	0	0		87.08	40.02		FN0006/05	1			
		C/H OVER GCMS-DIG CANCELLED														
21A110/015	16.59.59	SINGLE	227.5/237 5	-30	.04	0/2	1	4	REC/UH	16K	12	268.5/28.9	318/-37	263/15:42:33	00:54.5	
		BB2 *	SDR 252	251	1	0	0		71.69	33.04		FN0006/06	1			
		SAMPLE SITE AFTER DIG (CANCEL)														
21A111/015	17.54.59	SINGLE	285 0/315.0	-10	.04	13/2	1	4	REC/UH	16K	12	278.2/20.0	329/-28	263/16:37:33	02:41.2	
		BB3 *	ISDR 747	0	0	4	1		109.18	24.95		FN0006/07	1			
		AFTERNOON HI-RES REC MOSAIC														
21A112/015	18:22 25	SINGLE	152.5/157.5	30	.04	4/2	1	3	REC/UH	16K	12	282.8/15.6	334/-23	263/17:04:59	00:27.9	
		SUN	SDR 125	0	0	1	1		34.72	26.15		FN0006/08	1			
		ATMOSPHERIC ATTENUATION														
21A113/015	19.07 25	SINGLE	160.0/165.0	20	.04	4/2	1	2	REC/UH	16K	12	290.5/ 8.6	342/-16	263/17:49:59	00:27.9	
		SUN	ISDR 125	0	0	1	1		35.03	2.66		FN0006/09	1			
		ATMOSPHERIC ATTENUATION														
21A114/016	08.59.37	SINGLE	215.0/332.5	-30	.04	0/2	1	4	RT/UH	16K	10	108 6/42.3	158/-34	264/08:21:46	10:03.0	
		BB2 *	ISDR 2596	0	0	343	2		81.71	47 86		FN0006/10	4			
		MORNING RTI HI-RES MOSAIC														
21A115/016	09:34.22	SINGLE	152.5/227 5	-30	.04	0/2	1	4	RT/UH	16K	2	117 0/47.6	165/-39	264/08:56:31	06:33.0	
		BB2 *	ISDR 1841	0	0	35	1		108.22	44.38		FN0006/11	3			
		MORNING RTI HI-RES MOSAIC														
21A116/016	11:59.59	COLOR	287 5/327 5	-10	.12	1/1	1	4	REC/UH	16K	8	171.3/61.9	209/-58	264/11:22:08	03:34.5	
		BLU *	ISDR 333	0	0	1	1		105.44	51.69		FN0006/12	1			
		GRN *	ISDR 333	0	0	1	1		110.77	52.37		FN0006/13	1			
		RED *	ISDR 332	0	0	2	2		105.46	44.87		FN0006/14	1			
		COLOR MOSAIC														
21A117/016	13.39 10	SINGLE	260.0/260.0	-40	.04	8/2	1	4	RT/SB	250	10	216.7/57.8	255/-61	264/13:01:19	11:48.0	
		BB1	ISDR 51	1	50	0	0		141.78	29 32		FN0006/15	1			
		VARIABLE FEATURES														
22A118/016	17.17.59	SINGLE	10.0/ 67.5	0	.04	5/2	1	4	REC/UH	16K	8	271.6/25.9	146/-34	264/16:40:08	05:07.8	
		BB4 *	ISDR 1435	0	0	4	1		88.31	56.66		FN0006/16	2			
		AFTERNOON HI-RES REC. MOSAIC														
22A119/016	17.25:59	SINGLE	167.5/187.5	-30	.04	13/2	1	4	REC/UH	16K	8	273.0/24.6	147/-32	264/16:48:08	01:47.9	
		BB3 *	ISDR 499	0	0	2	2		111.04	42.28		FN0006/17	1			
		AFTERNOON HI-RES REC. MOSAIC														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
21A120/016	17:29.59	SINGLE	10.0/165.0	0	.12	14/3	1	4	REC/UH	16K	12	273.7/23.9	324/-32	264/16.52.08	04:36.7	D
		SURV *	ISDR 1255	0	0	38	15		78.31	48 24		FN0006/18	2			
		TO COMPLETE SURVEY STEREO														
22A121/016	17:39 59	SINGLE	12.5/ 60.0	-20	.04	13/2	1	4	REC/UH	16K	10	275.5/22.3	150/-30	264/17:02:08	04:14.5	
		BB3 *	ISDR 1182	0	0	7	5		62.15	32.11		FN0006/19	2			
		AFTERNOON HI-RES REC. MOSAIC														
21A122/017	08.57·40	SINGLE	135.0/185.0	-10	.04	5/2	1	4	RT/UH	16K	-31	108.3/42.0	158/-33	265/08:59:24	04:24.0	
		BB4 *	ISDR 738	0	0	513	2		134.70	54.48		FN0006/20	2			
		MORNING RTI HI-RES MOSAIC														
21A123/017	09.32.34	SINGLE	182.5/257.5	-10	.04	5/2	1	4	RT/UH	16K	2	116.7/47.2	165/-39	265/09.34·18	06:37.0	
		BB4 *	ISDR 1859	0	0	17	2		116.18	38.25		FN0006/21	3			
		MORNING RTI HI-RES MOSAIC														
22A124/017	10:02 58	SINGLE	290.0/295.0	-20	.04	8/2	1	3	REC/UH	16K	0	125.2/51 5	356/-44	265/10:04.43	00:27.9	
		BB1	SDR 127	126	1	0	0		135.88	48.04		FN0006/22	1			
		DUST ON MIRROR														
21A125/017	11.19 59	SINGLE	40.0/ 57.5	-30	.04	8/2	1	5	REC/UH	16K	6	153.1/59.8	194/-54	265/11:21.44	01:34.5	
		BB1	SDR 440	439	1	0	0		63.00	35.77		FN0006/23	1			
		DUST ON GRID														
22A126/017	12 25 10	SINGLE	135 0/135 0	-40	.04	8/2	1	4	RT/SB	250	6	183.7/61.9	44/-60	265/12.26.54	21·48.0	
		BB1	ISDR 85	1	99	15	1		117.64	27 30		FN0006/24	1			
		VARIABLE FEATURES														
21A127/017	17.29 58	SINGLE	60.0/ 75 0	0	.04	5/2	1	4	REC/UH	16K	12	273 7/23.8	324/-32	265/17:31.43	01:21.2	
		BB4 *	SDR 378	376	2	0	0		92.55	43.87		FN0006/25	1			
		AFTERNOON HI-RES REC. MOSAIC														
21A128/017	17:49 58	SINGLE	157.5/182 5	-30	.04	0/2	1	4	REC/UH	16K	12	277.2/20.6	328/-28	265/17:51:43	02:14.5	
		BB2 *	ISDR 629	626	3	0	0		60.43	50.59		FN0006/26	1			
		AFTERNOON HI-RES REC. MOSAIC														
21A129/018	08·58 55	SINGLE	15.0/ 65.0	-10	.04	5/2	1	4	RT/UH	16K	-19	108.7/42.1	158/-34	266/09:40.15	04:24.0	
		BB4 *	ISDR 1218	0	0	33	3		89.12	54 72		FN0007/01	2			
		MORNING RTI HI-RES MOSAIC														
21A130/018	09.33·50	SINGLE	255 0/330.0	-10	.04	5/2	1	4	RT/UH	16K	2	117.2/47.3	165/-39	266/10:15:09	06:37.0	
		BB4 *	ISDR 1860	0	0	16	1		101.09	61.42		FN0007/02	3			
		MORNING RTI HI-RES MOSAIC														
21A131/018	13.21.11	SINGLE	260.0/260.0	-40	.04	8/2	1	4	RT/SB	250	10	209.4/59.2	246/-61	266/14.02:30	11:48.0	
		BB1	ISDR 51	1	50	0	0		140.39	26.52		FN0007/03	1			
		VARIABLE FEATURES														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
21A132/018	17.19 59	SINGLE	252.5/292.5	-50	.04	8/2	1	4	REC/UH	16K	12	271.8/25.3	322/-33	266/18:01:19	3:34.5	
		BB1 *	ISDR 1002	1001	1	0	0		89.65	42.84		FN0007/04	2			
		AFTERNOON HI-RES COMP.-REC.														
22A133/018	17:24.59	SINGLE	285.0/315.0	-10	.04	13/2	1	4	REC/UH	16K	8	272.7/24.5	147/-32	266/18:06:19	02:41.2	
		BB3	ISDR 752	751	1	0	0		43.70	21.29		FN0007/05	1			
		AFTERNOON HI-RES MOSAIC-REC.														
21A134/018	17:29 59	SINGLE	30.0/ 60 0	-10	.04	5/2	1	4	REC/UH	16K	12	273 6/23.7	324/-31	266/18:11:19	02:41.2	
		BB4 *	ISDR 746	0	0	5	2		33.49	45.25		FN0007/06	1			
		AFTERNOON HI-RES MOSAIC-REC.														
22A135/018	17:34·59	SINGLE	270 0/335.0	0	.04	5/2	1	4	REC/UH	16K	8	274.5/22.9	149/-31	266/18:16:19	05:47.8	
		BB4 *	ISDR 1622	0	0	4	4		52.45	44.19		FN0007/07	2			
		AFTERNOON HI-RES MOSAIC-REC.														
22A136/019	08:57·30	SINGLE	10.0/ 60 0	0	.04	5/2	1	4	RT/UH	16K	-23	108.5/41.8	342/-33	267/10:18:25	04:24.0	
		BB4 *	ISDR 1219	0	0	32	3		123.79	43.75		FN0007/08	2			
		AFTERNOON HI-RES MOSAIC-RTI														
22A137/019	09:32·24	SINGLE	57.5/132 5	-10	.04	5/2	1	4	RT/UH	16K	-2	117.0/47 0	349/-39	267/10.53:19	06:37.0	
		BB4 *	ISDR 1860	0	0	16	1		101.78	57.06		FN0007/09	3			
		AFTERNOON HI-RES MOSAIC-RTI														
22A138/019	12:25 10	SINGLE	67.5/ 67 5	-10	.04	13/2	1	4	RT/SB	250	8	183.8/61.7	44/-60	267/13·46.05	21:48.0	
		BB3	SDR 93	1	94	2	1		127.84	28.37		FN0007/10	1			
		VARIABLE FEATURES														
21A139/019	17:19 59	SINGLE	75.0/125.0	0	.04	5/2	1	4	REC/UH	16K	12	271.8/25 2	322/-33	267/18·40:54	04:27.8	
		BB4 *	ISDR 1252	1251	1	0	0		87.35	70.22		FN0007/11	2			
		AFTERNOON HI-RES REC. MOSAIC														
22A140/019	17:27 59	SINGLE	235 0/272.5	0	.04	5/2	1	4	REC/UH	16K	10	273.2/23.9	148/-32	267/18·48.54	03:21.2	
		BB4 *	ISDR 934	0	0	5	2		104.12	59.09		FN0007/12	2			
		BB4	ISDR 928	0	0	11	11		92 53	32.54		FN0007/13	0			
		AFTERNOON HI-RES REC MOSAIC														
22A141/019	17.34:59	SINGLE	185 0/235 0	-10	.04	5/2	1	4	REC/UH	16K	10	274 4/22 8	149/-31	267/18.55:54	04:27.8	
		BB4 *	ISDR 1240	0	0	11	11		92.53	32 54		FN0007/13	2			
		AFTERNOON HI-RES REC. MOSAIC														
21A142/019	17:41.59	SINGLE	125.0/165 0	10	.04	5/2	1	4	REC/UH	16K	12	275.6/21.6	326/-29	267/19:02:54	03:34.5	
		BB4 *	ISDR 997	0	0	4	4		36.26	14.98		FN0007/14	2			
		AFTERNOON HI-RES REC. MOSAIC														
22A143/019	17:49·59	SINGLE	67.5/107.5	-10	.04	5/2	1	4	REC/UH	16K	10	277.0/20.3	152/-28	267/19:10:54	03:34.5	
		BB4 *	ISDR 997	0	0	4	1		76.04	30.95		FN0007/15	2			
		AFTERNOON HI-RES REC. MOSAIC														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS	AVE DN VALUE	STAND DEV	EDR TAPE/FILE	# OF EDR SEGMENTS						
22A144/020	08.56 13	COLOR	55.0/105.0	-30	.12	1/1	1	4	RT/UH	16K	-23	108.4/41 5	342/-33	268/10:56:43	04:24.0	
		BLU *	ISDR 412	0	0	6	1		88 80	56.79		FN0007/16	1			
		GRN *	ISDR 408	0	0	10	4		94 91	56.84		FN0007/17	1			
		RED *	ISDR 410	0	0	8	2		103.19	50.73		FN0007/18	1			
		RTI COLOR MOSAIC														
22A145/020	09·31·07	COLOR	10.0/ 85.0	-20	.12	1/1	1	4	RT/UH	16K	-2	116 8/46 8	349/-39	268/11:31:37	06:37.0	
		BLU *	ISDR 620	0	0	6	1		107.39	47.24		FN0007/19	1			
		GRN *	ISDR 618	0	0	8	2		115.71	47.18		FN0007/20	1			
		RED *	ISDR 619	0	0	7	1		122.97	41.35		FN0007/21	1			
		RTI COLOR MOSAIC														
21A146/020	13.21·10	SINGLE	260.0/260 0	-40	.04	8/2	1	4	RT/SB	250	10	209.3/58.9	246/-61	268/15:21:40	11:48.0	
		BB1	ISDR 51	1	50	0	0		141.89	28.80		FN0007/22	1			
		VARIABLE FEATURES														
21A147/020	17.19·43	SINGLE	165.0/215.0	0	.04	5/2	1	4	REC/UH	16K	14	271 6/25.1	322/-33	268/19:20:13	04:27.8	
		BB4 *	ISDR 1252	1251	1	0	0		62.92	51.25		FN0007/23	2			
		EVENING HI-RES REC. MOSAIC														
22A148/020	17.29 43	SINGLE	107.5/185.0	-10	.04	5/2	1	4	REC/UH	16K	10	273 4/23.5	148/-31	268/19:30:13	06:54.5	
		BB4 *	ISDR 1925	0	0	14	11		104.71	.29 85		FN0007/24	3			
		EVENING HI-RES REC. MOSAIC														
21A149/020	17.37.43	SINGLE	215.0/260.0	0	.04	5/2	1	4	REC/UH	16K	14	274.8/22.2	325/-30	268/19:38:13	04:01.2	
		BB4 *	ISDR 1118	0	0	8	8		95.23	45.00		FN0007/25	2			
		EVENING HI-RES REC. MOSAIC														
21A150/020	17:44:43	SINGLE	125.0/147 5	-10	.04	13/2	1	4	REC/UH	16K	14	276.0/21 1	327/-29	268/19:45:13	02:01.2	
		BB3 *	SDR 559	0	0	5	1		70.70	39.05		FN0007/26	1			
		EVENING HI-RES REC. MOSAIC														
21A151/020	17:49.43	SINGLE	260.0/282 5	-10	.04	5/2	1	4	REC/UH	16K	14	276.9/20.3	328/-28	268/19:50:13	02:01.2	
		BB4 *	SDR 565	564	1	0	0		88.07	32 48		FN0007/27	1			
		EVENING HI-RES REC. MOSAIC														
22A152/021	08:54 42	COLOR	170 0/220.0	0	.12	1/1	1	4	RT/UH	16K	0	108 2/41.2	342/-33	269/11:34:47	04:24.0	
		BLU *	ISDR 412	0	0	6	1		133.99	70.46		FN0008/01	1			
		GRN *	ISDR 411	0	0	7	1		134.48	68.65		FN0008/02	1			
		RED *	ISDR 411	0	0	7	1		136.70	65.08		FN0008/03	1			
		MORNING RTI COLOR MOSAIC														
22A153/021	09.29·38	COLOR	102.5/177.5	-30	.12	1/1	1	4	RT/UH	16K	-4	116 6/46.5	349/-38	269/12:09.43	06:37.0	
		BLU *	ISDR 620	0	0	6	1		62.93	35.19		FN0008/04	1			
		GRN *	ISDR 619	0	0	7	1		67.37	36.03		FN0008/05	1			
		RED *	ISDR 618	0	0	8	2		82.08	41.62		FN0008/06	1			
		MORNING RTI COLOR MOSAIC														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
22A154/021	10:10 58	SINGLE	115.0/125.0	-30	.04	0/2	1	4	REC/UH	16K	0	128.3/52.2	359/-44	269/12:51:04	00:54.5	
		BB2 *	ISDR 252	251	1	0	0		72.59	33.31		FN0008/07	1			
		COLL. HEAD TOUCHDOWN GCMS SITE														
22A155/021	10:14 18	SINGLE	115 0/125.0	-30	.04	0/2	1	4	REC/UH	16K	2	129.3/52.6	359/-45	269/12:54:24	00:54.5	
		BB2 *	ISDR 254	251	3	0	0		73.35	33.80		FN0008/08	1			
		BOOM RETRACT AFTER TOUCHDOWN														
22A156/021	10:18 18	SINGLE	115.0/125.0	-30	.04	0/2	1	4	REC/UH	16K	2	130.6/53 1	0/-46	269/12:58:24	00:54.5	
		BB2 *	ISDR 252	251	1	0	0		73.37	33.53		FN0008/09	1			
		BOOM POS. AFTER ACQUISITION														
21A157/021	10:37.40	SINGLE	10 0/ 40.0	-20	.12	14/3	1	4	REC/UH	16K	4	137 1/55.4	182/-48	269/13:17.46	00:54.5	
		SURV	ISDR 252	251	1	0	0		67.42	43.64		FN0008/10	1			
		COLL. HEAD INVERTED OVER GCMS														
22A158/021	12:17.02	COLOR	155.0/327.5	0	.12	1/1	1	4	RT/UH	16K	0	180 0/61.4	41/-59	269/14:57:08	15:20.0	
		BLU *	SDR 1436	0	0	3	3		131.44	68.06		FN0008/11	2			
		GRN *	ISDR 1437	0	0	2	1		128.97	63.55		FN0008/12	2			
		RED *	ISDR 1436	0	0	3	2		125.17	56.30		FN0008/13	2			
		VO-1 TEST, PHOTOMETRICS														
22A159/021	12:32 38	IR	155 0/327.5	0	.12	9/1	1	4	RT/UH	16K	12	187.5/61.3	48/-60	269/15:12:44	15:20.0	
		IR3	SDR 1437	0	0	2	1		108.24	50.56		FN0008/14	2			
		IR2	SDR 1436	0	0	3	1		103 90	48.40		FN0008/15	2			
		IR1 *	SDR 1436	0	0	3	1		103.10	48.01		FN0008/16	2			
		VO-1 TEST, PHOTOMETRICS														
22A160/021	12:49 52	SINGLE	155.0/327.5	0	.12	14/3	1	4	RT/UH	16K	14	195.6/60.7	56/-60	269/15.29:58	05:10.0	
		SURV	SDR 1453	1439	14	0	0		121.08	58.28		FN0008/17	2			
		VO-1 TEST, PHOTOMETRICS														
21A161/021	17:29 42	SINGLE	282.5/302 5	-10	.04	5/2	1	4	REC/UH	16K	12	273 3/23.4	324/-31	269/20.09:47	01:47.9	
		BB4 *	SDR 502	501	1	0	0		115.76	27.56		FN0008/18	1			
		AFTERNOON HI-RES REC. MOSAIC														
22A162/021	17:39 59	SINGLE	115.0/125.0	-30	.04	0/2	1	4	REC/UH	16K	10	275.1/21.7	150/-29	269/20:20:04	00:54.5	
		BB2 *	ISDR 254	251	3	0	0		85.22	31.62		FN0008/19	1			
		GCMS SAMPLE TRENCH														
22A163/021	17:54 59	SINGLE	127.5/157.5	-30	.04	0/2	1	4	REC/UH	16K	10	277.7/19.3	152/-27	269/20:35:04	02:41.2	
		BB2 *	ISDR 744	0	0	7	4		72.66	37.24		FN0008/20	1			
		AFTERNOON HI-RES REC. MOSAIC														
21A164/022	07 09 59	SINGLE	142.5/250 0	0	.04	5/2	1	4	REC/UH	16K	-8	87.8/24 3	139/-16	270/10:29:40	09:34.5	
		BB4 *	ISDR 2683	0	0	6	2		107.05	40.32		FN0009/01	4			
		EARLY MORN. HI-RES REC MOSAIC														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD LINES	TOTAL	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
22A165/022	08 53 46	COLOR	212.5/262.5	10	.12	1/1	1	4	RT/UH	16K	-4	108 1/41.0	342/-32	270/12:13:26	04:24.0	
		BLU *	ISDR 407	0	0	11	3		132 78	56.77		FN0009/02	1			
		GRN *	ISDR 407	0	0	11	3		127.11	55 00		FN0009/03	1			
		RED *	ISDR 407	0	0	11	3		118.85	53.43		FN0009/04	1			
		RTI COLOR MOSAIC														
22A166/022	09:28 42	COLOR	260.0/335 0	-10	.12	1/1	1	4	RT/UH	16K	-4	116.5/46.3	349/-38	270/12.48:23	06:37.0	
		BLU *	ISDR 620	0	0	6	1		104.49	52.81		FN0009/05	1			
		GRN *	ISDR 619	0	0	7	1		106.43	52.68		FN0009/06	1			
		RED *	ISDR 619	0	0	7	1		111.33	52.49		FN0009/07	1			
		RTI COLOR MOSAIC														
21A167/022	13:20 54	SINGLE	260 0/260 0	-40	.04	8/2	1	4	RT/SB	250	10	209.2/58 6	246/-60	270/16:40:34	11:48.0	
		BB1	ISDR 53	1	52	0	0		141.45	32 49		FN0009/08	1			
		VARIABLE FEATURES														
21A168/022	17 29 42	SINGLE	302.5/335.0	-10	.04	5/2	1	4	REC/UH	16K	12	273.2/23.3	324/-31	270/20:49:23	02.54.5	
		BB4 *	ISDR 815	814	1	0	0		124.49	19 43		FN0009/09	1			
		EVENING HI-RES MOSAIC														
21A169/022	18:06 16	SINGLE	150.0/155 0	30	.04	4/2	1	3	REC/UH	16K	12	279.6/17.3	330/-25	270/21:25:57	00 27.9	
		SUN	ISDR 127	126	1	0	0		30.14	20 29		FN0009/10	1			
		SOLAR EXTINCTION														
21A170/022	18 40 01	SINGLE	155.0/160.0	30	.04	4/2	1	3	REC/UH	16K	12	285.4/12.0	336/-20	270/21:59:42	00:27.9	
		SUN	SDR 127	126	1	0	0		34 93	20.05		FN0009/11	1			
		SOLAR EXTINCTION														
21A171/022	19.58.42	COLOR	175.0/175.0	10	.12	1/1	1	5	REC/UH	250	8	299.1/ 0.1	350/ -7	270/23:18:23	24:01.2	R
		BLU *	ISDR 36	2	36	1	1		103.80	62 68		FN0009/12	1			
		GRN	ISDR 37	2	36	0	0		106.44	63 63		FN0009/13	1			
		RED	ISDR 37	2	36	0	0		97.06	58.18		FN0009/14	1			
		TWILIGHT RESCAN														
21A172/022	20:24 17	COLOR	177 5/177.5	10	.12	1/1	1	2	REC/UH	250	8	303.8/-3.5	355/ -3	270/23:43:57	24:01.2	R
		BLU *	ISDR 37	2	37	1	1		53 29	43.51		FN0009/15	1			
		GRN	ISDR 37	2	37	1	1		58.04	49.00		FN0009/16	1			
		RED	ISDR 37	2	37	1	1		70.49	59 15		FN0009/17	1			
		TWILIGHT RESCAN														
21A173/022	20:49 52	COLOR	182.5/182.5	10	.12	1/1	1	1	REC/UH	250	8	308.6/-6.8	359/ -0	271/00:09:32	24:01.2	R
		BLU *	ISDR 34	2	34	1	1		92.32	46.28		FN0009/18	1			
		GRN	ISDR 35	2	34	0	0		96.65	48 98		FN0009/19	1			
		RED	ISDR 35	2	34	0	0		98.31	46.64		FN0009/20	1			
		TWILIGHT RESCAN														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
21A174/023	06.49.41	SINGLE	262.5/305.0	-30	.04	0/2	1	4	REC/UH	16K	-6	84.3/20 9	136/-12	271/10.48 57	03:47.8	
		BB2 *	ISDR 1064	1064	1	1	1		40.29	16.43		FN0010/01	2			
		EARLY MORNING HI-RES MOSAIC														
21A175/023	06:53.29	SINGLE	170 0/170 0	0		7/7	1	2	REC/UH	16K	-6	/	/	271/10:52.44	0:18.0	
		CAL	SDR 59	0	0	0	0		.00	.00		FN0010/02	1			
		CALIBRATION														
22A176/023	06:59 41	SINGLE	115.0/162 5	-50	.04	8/2	1	4	REC/UH	16K	-10	86 1/22.5	321/-14	271/10.58.57	4.14.5	
		BB1 *	ISDR 1183	0	0	6	2		41.88	18.74		FN0010/03	2			
		EARLY MORNING HI-RES COMPOSITE														
22A177/023	07.03 55	SINGLE	170.0/170.0	0		7/7	1	2	REC/UH	16K	-10	/	/	271/11 03:11	0:18.0	
		CAL	SDR 61	0	0	0	0		.00	.00		FN0010/04	1			
		CALIBRATION														
22A178/023	07 09 41	SINGLE	77.5/127.5	-30	.04	0/2	1	4	REC/UH	16K	-10	87 8/24.2	323/-16	271/11:08.57	04.27.8	
		BB2 *	ISDR 1252	1251	1	0	0		46.24	22.35		FN0010/05	2			
		EARLY MORNING HI-RES MOSAIC														
21A179/023	08:52 36	COLOR	285 0/335 0	-30	.12	1/1	1	4	RT/UH	16K	-13	108.0/40 7	158/-32	271/12.51.51	04 24.0	
		BLU *	ISDR 404	0	0	14	2		52.16	33.64		FN0010/06	1			
		GRN *	ISDR 403	0	0	15	2		53.79	34.41		FN0010/07	1			
		RED *	ISDR 404	0	0	14	2		57.61	40 25		FN0010/08	1			
		COLOR MOSAIC														
21A180/023	09 27.32	COLOR	225.0/300 0	-30	.12	1/1	1	4	RT/UH	16K	2	116 4/46.0	165/-38	271/13:26 48	06:37.0	
		BLU *	ISDR 620	0	0	6	1		72.54	36.34		FN0010/09	1			
		GRN *	ISDR 619	0	0	7	1		78.91	37 52		FN0010/10	1			
		RED *	ISDR 619	0	0	7	1		89.15	41.86		FN0010/11	1			
		COLOR MOSAIC														
21A181/023	11.09.59	SINGLE	55.0/ 60.0	-10	.12	14/3	1	4	REC/UH	16K	8	149 8/58 3	192/-52	271/15.09.15	00.10.1	
		SURV	SDR 44	43	1	0	0		130.32	67.77		FN0010/12	1			
		RTC-SURVEY 7 CHANNEL														
21A182/023	11:11 59	COLOR	55.0/ 60.0	-10	.12	1/1	1	4	REC/UH	16K	8	150.6/58.5	192/-53	271/15.11:15	00:27.9	
		BLU	SDR 42	0	0	1	1		119.48	72.92		FN0010/13	1			
		GRN	SDR 41	0	0	2	1		123.65	72 69		FN0010/14	1			
		RED	SDR 41	0	0	2	1		130.29	66.43		FN0010/15	1			
		RTC-COLOR 7 CHANNEL														
21A183/023	11:13.59	IR	55.0/ 60.0	-10	.12	9/1	1	4	REC/UH	16K	8	151.5/58.6	193/-53	271/15:13:15	00:27.9	
		IR3	SDR 42	0	0	1	1		119.90	59.11		FN0010/16	1			
		IR2	SDR 41	0	0	2	1		116.67	57.96		FN0010/17	1			
		IR1	SDR 41	0	0	2	1		126.09	62.91		FN0010/18	1			
		RTC-IR 7 CHANNEL														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
22A184/023	11:15.59	SINGLE	285 0/290.0	-10	.12	14/3	1	4	REC/UH	16K	2	152 3/58.8	18/-53	271/15:15:15	00:10.1	
		SURV	SDR 44	43	1	0	0		88.44	53.41		FN0010/19	1			
		RTC-SURVEY 7 CHANNEL														
22A185/023	11:17 59	COLOR	285.0/290.0	-10	.12	1/1	1	4	REC/UH	16K	2	153 1/58.9	18/-53	271/15:17:15	00:27.9	
		BLU	ISDR 42	0	0	1	1		87.04	57.48		FN0010/20	1			
		GRN	ISDR 41	0	0	2	1		88.20	58.25		FN0010/21	1			
		RED	ISDR 41	0	0	2	1		93.50	56 51		FN0010/22	1			
		RTC-COLOR 7 CHANNEL														
22A186/023	11:19·59	IR	285 0/290.0	-10	.12	9/1	1	4	REC/UH	16K	2	154.0/59 1	19/-53	271/15:19:15	00:27.9	
		IR3	SDR 42	0	0	1	1		75.85	42.37		FN0010/23	1			
		IR2	SDR 41	0	0	2	1		72.95	40.82		FN0010/24	1			
		IR1	SDR 41	0	0	2	1		75.39	42.92		FN0010/25	1			
		RTC-IR 7 CHANNEL														
21A187/023	12·14.55	COLOR	202.5/282 5	-30	.12	1/1	1	4	RT/UH	16K	10	179.1/61.2	216/-59	271/16:14:11	07:07.0	
		BLU *	ISDR 666	0	0	2	1		103.47	30.88		FN0010/26	1			
		GRN *	ISDR 666	0	0	2	1		116.24	33 43		FN0010/27	1			
		RED *	ISDR 665	0	0	3	2		127.26	34.39		FN0010/28	1			
		VO-1 TEST LINK														
21A188/023	12·22.18	IR	202.5/282.5	-30	.12	9/1	1	4	RT/UH	16K	12	182 7/61.1	219/-59	271/16:21:34	07.07.0	
		IR3	ISDR 666	0	0	2	1		108.01	29 01		FN0010/29	1			
		IR2	ISDR 666	0	0	2	1		103.59	28 05		FN0010/30	1			
		IR1 *	ISDR 666	0	0	2	1		117.91	31.62		FN0010/31	1			
		VO-1 TEST LINK														
21A189/023	12:29:41	SINGLE	202 5/282.5	-30	.12	14/3	1	4	RT/UH	16K	14	186.2/61.1	223/-59	271/16:28:57	02:23.0	
		SURV	ISDR 670	668	2	0	0		132.21	36.01		FN0010/32	1			
		VO-1 TEST LINK														
22A190/023	12:33·58	COLOR	75.0/165 0	-30	.12	1/1	1	4	RT/UH	16K	6	188 2/61.0	48/-60	271/16.33:14	08:00.0	
		BLU *	ISDR 749	0	0	2	1		93.09	34.33		FN0010/33	1			
		GRN *	ISDR 749	0	0	2	1		104.56	35 41		FN0010/34	1			
		RED *	ISDR 749	0	0	2	1		130.16	37.48		FN0010/35	1			
		VO-1 TEST LINK														
22A191/023	12:42.14	IR	75.0/165.0	-30	.12	9/1	1	4	RT/UH	16K	6	192.1/60.7	52/-60	271/16:41:30	08:00.0	
		IR3	ISDR 749	0	0	2	1		105.23	29.27		FN0010/36	1			
		IR2	ISDR 749	0	0	2	1		100.08	27.87		FN0010/37	1			
		IR1 *	ISDR 745	0	0	2	1		107.17	29.10		FN0010/38	1			
		VO-1 TEST LINK														
22A192/023	12:50.30	SINGLE	75.0/165.0	-30	.12	14/3	1	4	RT/UH	16K	8	195.9/60.4	56/-60	271/16:49:46	02:40.0	
		SURV	ISDR 749	0	0	2	1		121.44	34.51		FN0010/39	1			
		VO-1 TEST LINK														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
21A193/024	06.59 59	SINGLE	305.0/322.5	-40	.04	0/2	1	4	REC/UH	16K	-6	86.3/22.5	138/-14	272/11:38:50	01:34.5	
		BB2 *	SDR 440	439	1	0	0		37 78	14.11		FN0011/01	1			
		EARLY MORNING HI-RES MOSAIC														
21A194/024	08.52:00	COLOR	147.5/197.5	0	.12	1/1	1	4	RT/UH	16K	2	108.1/40.6	158/-32	272/13:30:51	04:24.0	
		BLU *	ISDR 402	0	0	16	3		118 30	35 44		FN0011/02	1			
		GRN *	ISDR 403	0	0	15	2		127.88	34 54		FN0011/03	1			
		RED *	ISDR 402	0	0	16	3		125.20	34.22		FN0011/04	1			
		MORNING COLOR MOSAIC														
21A195/024	09:26.56	COLOR	162.5/237.5	-30	.12	1/1	1	4	RT/UH	16K	4	116.4/45.8	165/-38	272/14:05.47	06:37.0	
		BLU *	ISDR 619	0	0	7	1		89.99	35.35		FN0011/05	1			
		GRN *	ISDR 619	0	0	7	1		98.94	38 59		FN0011/06	1			
		RED *	ISDR 619	0	0	7	1		107.78	45.01		FN0011/07	1			
		MORNING COLOR MOSAIC														
21A196/024	10:09.59	COLOR	55.0/ 60 0	-10	.12	1/1	1	4	REC/UH	16K	8	128.5/51.8	175/-44	272/14:48:50	00:27.9	
		BLU	SDR 42	0	0	1	1		128.22	68 45		FN0011/08	1			
		GRN	SDR 41	0	0	2	1		127.17	66 56		FN0011/09	1			
		RED	SDR 41	0	0	2	1		124.85	59.17		FN0011/10	1			
		RTC-COLOR														
21A197/024	14.33 11	SINGLE	260 0/260.0	-40	.04	8/2	1	4	RT/SB	250	12	234.5/50.4	277/-56	272/19:12:02	11:48.0	
		BB1	ISDR 50	1	50	1	1		135.91	29.80		FN0011/11	1			
		VARIABLE FEATURES														
22A198/025	02:06 31	SINGLE	250.0/255.0	30	.04	1/2	1	2	REC/UH	16K	-12	31 3/-17	263/ 20	273/07:24:58	00 27.9	
		BLU	SDR 127	126	1	0	0		31.44	2.91		FN0012/01	1			
		PHOBOS														
22A199/025	02:41·31	SINGLE	225.0/230.0	30	.04	1/2	1	1	REC/UH	16K	-12	39.0/-14	272/ 18	273/07:59:58	00.27.9	
		BLU	ISDR 127	126	1	0	0		69.00	5.37		FN0012/02	1			
		PHOBOS														
22A200/025	03:26·31	SINGLE	195.0/200.0	20	.04	1/2	1	1	REC/UH	16K	-12	48.2/-9 2	282/ 14	273/08:44·58	00:27.9	
		BLU	SDR 127	126	1	0	0		73.03	6.24		FN0012/03	1			
		PHOBOS														
22A201/025	05:21:31	SINGLE	122.5/127.5	10	.04	4/2	1	2	REC/UH	16K	-13	69.4/ 6.8	304/ 0	273/10.39:58	00:27.9	
		SUN	SDR 127	126	1	0	0		31.03	.73		FN0012/04	1			
		SOLAR EXTINCTION														
22A202/025	06.06:31	SINGLE	130.0/135 0	10	.04	4/2	1	3	REC/UH	16K	-13	77.1/13.8	312/ -6	273/11:24:58	00:27.9	
		SUN	SDR 127	126	1	0	0		24.56	6.41		FN0012/05	1			
		SOLAR EXTINCTION														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
22A203/025	06:46.31	SINGLE	137.5/142.5	20	.04	4/2	1	3	REC/UH	16K	-12	84.0/20.3	319/-12	273/12:04:58	00.27.9	
		SUN	SDR 127	126	1	0	0		26 02	12 28		FN0012/06	1			
		SOLAR EXTINCTION														
21A204/025	06:54.58	SINGLE	27 5/ 62.5	-10	.04	5/2	1	4	REC/UH	16K	-8	85.5/21.6	137/-13	273/12:13:25	03:07.8	
		BB4 *	ISDR 868	0	0	8	5		55.99	38.69		FN0012/07	1			
		MORNING HI-RES MOSAIC														
22A205/025	06:59.58	SINGLE	52 5/110.0	-50	.04	8/2	1	4	REC/UH	16K	-12	86.4/22.4	322/-14	273/12:18:25	5: 7.8	
		BB1 *	ISDR 1437	0	0	2	1		63.72	41.82		FN0012/08	2			
		MORNING HI-RES COMPOSITE														
22A206/025	07:06:58	SINGLE	127.5/192.5	-30	.04	13/2	1	4	REC/UH	16K	-12	87.6/23.6	323/-15	273/12:25.25	05:47.8	
		BB3 *	ISDR 1621	0	0	5	2		59.59	39.30		FN0012/09	2			
		MORNING HI-RES MOSAIC														
22A207/025	07:14 58	SINGLE	265.0/307.5	-10	.04	13/2	1	4	REC/UH	16K	-10	89.1/24.9	324/-16	273/12.33·25	03:47 8	
		BB3 *	ISDR 1066	1064	3	1	1		80 87	43 33		FN0012/10	2			
		MORNING HI-RES MOSAIC														
21A208/025	08:53 42	COLOR	112.5/162 5	0	.12	1/1	1	4	RT/UH	16K	-21	108.6/40.7	158/-32	273/14:12:08	04:24.0	
		BLU *	ISDR 412	0	0	6	1		123.80	43.54		FN0012/11	1			
		GRN *	ISDR 411	0	0	7	1		130.82	40.37		FN0012/12	1			
		RED *	ISDR 411	0	0	7	1		134.21	44.64		FN0012/13	1			
		MORNING COLOR MOSAIC														
21A209/025	09:28.38	COLOR	195.0/270.0	10	.12	1/1	1	4	RT/UH	16K	2	117 0/46.0	165/-38	273/14:47:04	06:37.0	
		BLU *	ISDR 620	0	0	6	1		106.35	46 94		FN0012/14	1			
		GRN *	ISDR 619	0	0	7	1		111 36	47.34		FN0012/15	1			
		RED *	ISDR 619	0	0	7	1		104.20	41.37		FN0012/16	1			
		MORNING COLOR MOSAIC														
21A210/025	12:12 02	COLOR	25.0/ 65 0	-10	.12	1/1	1	4	RT/UH	16K	10	177.9/60.9	215/-58	273/17:30.28	03:33.0	
		BLU *	ISDR 332	0	0	2	1		97.86	64.09		FN0012/17	1			
		GRN *	ISDR 332	0	0	2	1		118.72	75 58		FN0012/18	1			
		RED *	ISDR 330	0	0	4	2		124.86	69 11		FN0012/19	1			
		VO-1 TEST LINK														
21A211/025	12:15:51	IR	25.0/ 65.0	-10	.12	9/1	1	4	RT/UH	16K	12	179.7/60.9	217/-58	273/17:34:17	03:33.0	
		IR3	ISDR 332	0	0	2	1		120.82	64.83		FN0012/20	1			
		IR2	ISDR 332	0	0	2	1		117 31	63.32		FN0012/21	1			
		IR1 *	ISDR 331	0	0	3	1		124.96	68 48		FN0012/22	1			
		VO-1 TEST LINK														
21A212/025	12:19.40	SINGLE	25.0/ 65.0	-10	.12	14/3	1	4	RT/UH	16K	12	181.5/60.9	218/-59	273/17:38:06	01:11.0	
		SURV	ISDR 331	0	0	3	1		125.57	72.15		FN0012/23	1			
		VO-1 TEST LINK														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
21A213/025	12:22:45	COLOR	120 0/250.0		-20	.12	1/1	1	4	RT/UH	16K	14	183 0/60.9	220/-59	273/17:41:11	11:33.0
		BLU *	ISDR 1082		0	0	2	1		103.12	41.02		FN0012/24	2		
		GRN *	ISDR 1082		0	0	2	1		112.21	43.57		FN0012/25	2		
		RED *	ISDR 1081		0	0	3	1		118.77	42 66		FN0012/26	2		
		VO-1 TEST LINK														
21A214/025	12.34:34	IR	120.0/250.0		-20	.12	9/1	1	4	RT/UH	16K	16	188 6/60.7	225/-59	273/17:53.00	11 33.0
		IR3	SDR 1082		0	0	2	1		105.90	38.32		FN0012/27	2		
		IR2	SDR 1082		0	0	2	1		101.01	36.92		FN0012/28	2		
		IR1 *	SDR 1081		0	0	3	1		109.92	40.02		FN0012/29	2		
		VO-1 TEST LINK														
21A215/025	12:46 23	SINGLE	120.0/250 0		-20	.12	14/3	1	4	RT/UH	16K	20	194 0/60.3	230/-60	273/18:04:49	03:51.0
		SURV	ISDR 1081		0	0	3	1		122.24	46 62		FN0012/30	2		
		VO-1 TEST LINK														
21A216/025	17:29 59	SINGLE	260 0/285 0		-20	.04	13/2	1	4	REC/UH	16K	14	273 1/22 9	323/-31	273/22.48 25	02:14.5
		BB3 *	SDR 627	626	1		0	0		83.21	32.90		FN0012/31	1		
		EVENING HI-RES MOSAIC														
21A217/026	08.52 50	COLOR	77 5/127.5		10	.12	1/1	1	4	RT/UH	16K	0	108 6/40 5	158/-32	274/14.50:52	04:24.0
		BLU *	ISDR 412		0	0	6	1		106.95	51.48		FN0013/01	1		
		GRN *	ISDR 411		0	0	7	1		111.27	52.73		FN0013/02	1		
		RED *	ISDR 411		0	0	7	1		110.94	53 91		FN0013/03	1		
		MORNING COLOR MOSAIC														
21A218/026	09.27 47	COLOR	15 0/ 90.0		0	.12	1/1	1	4	RT/UH	16K	4	116 9/45.8	165/-38	274/15:25 48	06 37.0
		BLU *	ISDR 620		0	0	6	1		109.22	67.47		FN0013/04	1		
		GRN *	ISDR 619		0	0	7	1		109 87	67 33		FN0013/05	1		
		RED *	ISDR 619		0	0	7	1		112.62	64 32		FN0013/06	1		
		MORNING COLOR MOSAIC														
21A219/026	13:15 11	SINGLE	260.0/260 0		-40	.04	8/2	1	4	RT/SB	250	10	206 7/58 5	244/-60	274/19:13.12	11.48.0
		BB1	ISDR 51		1	50	0	0		142.30	26 65		FN0013/07	1		
		VARIABLE FEATURES														
22A220/027	06:59:59	SINGLE	117.5/215.0		-10	.04	5/2	1	4	REC/UH	16K	-13	86 7/22 3	322/-14	275/13:37:36	08:41.1
		BB4 *	ISDR 2434		0	0	5	2		65.60	60 66		FN0013/08	4		
		MORNING HI-RES MOSAIC														
21A221/027	12:06 16	SINGLE	122 5/250.0		0	.04	5/2	1	4	RT/UH	16K	8	175 4/60.5	213/-57	275/18:43.53	11.18.0
		BB4 *	ISDR 2455		0	0	730	3		136,85	46.19		FN0013/09	5		
		NOON RTI HI-RES MOSAIC														
21A222/027	12.44 01	SINGLE	250.0/295.0		-10	.04	5/2	1	4	RT/UH	16K	10	193.0/60.1	229/-59	275/19:21.37	03.49.0
		BB4 *	ISDR 1072		0	0	54	1		142.34	39.64		FN0013/10	2		
		NOON RTI HI-RES MOSAIC														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION /DUST	RSCN
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
22A223/028	06:54 59	SINGLE	215.0/325.0	0	.04	5/2	1	4	REC/UH	16K	-13	85 9/21.4	321/-13	276/14:12:11	09:47.8	
		BB4 *	ISDR 2746	0	0	5	2		105.80	40.60		FN0013/11	4			
		MORNING HI-RES MOSAIC														
21A224/028	09:03:11	SINGLE	322.5/330.0	-30	.12	14/3	1	4	RT/SB	250	-4	111.3/42.0	161/-34	276/16:20:23	11:48.0	
		SURV	ISDR 50	0	0	14	1		62.24	45.10		FN0013/12	1			
		BOOM POSITION														
21A225/028	12:07 23	SINGLE	130 0/260.0	-20	.04	13/2	1	4	RT/UH	16K	8	176.0/60.4	214/-57	276/19:24:35	11:18.0	
		BB3 *	ISDR 3176	0	0	75	2		131.94	40.56		FN0013/13	5			
		NOON RTI HI-RES MOSAIC														
21A226/028	12 45 08	SINGLE	290.0/335.0	-10	.04	5/2	1	4	RT/UH	16K	10	193.5/59 9	230/-59	276/20:02:20	03:49.0	
		BB4 *	ISDR 1072	0	0	54	1		148.52	51.06		FN0013/14	2			
		NOON RTI HI-RES MOSAIC														
21A227/028	16:11.13	SINGLE	230.0/240.0	-20	.04	0/2	1	4	REC/UH	16K	12	258 0/35 3	306/-42	276/23:28:25	00:54.5	
		BB2 *	SDR 252	251	1	0	0		84.18	30.77		FN0013/15	1			
		SAMPLE TRENCH														
21A228/028	16:29.13	SINGLE	7.5/ 17.5	-30	.12	14/3	1	4	REC/UH	16K	12	261 6/32.4	311/-40	276/23:46:25	00:19.0	
		SURV	SDR 86	84	2	0	0		73.95	36.55		FN0013/16	1			
		COLLECTOR HEAD OVER PDA														
21A229/028	17:46.27	SINGLE	290.0/300.0	-30	.04	0/2	1	4	REC/UH	16K	12	275.7/19.8	326/-28	277/01:03:39	00:54.5	
		BB2 *	SDR 252	251	1	0	0		81.53	35.01		FN0013/17	1			
		BACKHOE/PURGE SITE														
21A230/028	18.04 59	SINGLE	230.0/240.0	-20	.04	0/2	1	4	REC/UH	16K	12	278.9/16.8	330/-25	277/01:22:11	00:54.5	
		BB2 *	SDR 252	251	1	0	0		45.47	17 64		FN0013/18	1			
		SAMPLE TRENCH														
21A231/028	18.18 11	SINGLE	152.5/155.0	30	.04	4/2	1	3	REC/UH	16K	12	281.2/14.7	332/-22	277/01:35:23	00.14.5	
		SUN	SDR 65	64	1	0	0		32.16	18.77		FN0013/19	1			
		SUN	(NON-NOMINAL COMMAND)													
21A232/028	19:03:11	SINGLE	160.0/162.5	20	.04	4/2	1	2	REC/UH	16K	10	289.0/ 7 6	340/-15	277/02:20:23	00:14.5	
		SUN	SDR 65	64	1	0	0		34.74	2.72		FN0013/20	1			
		SUN	(NON-NOMINAL COMMAND)													
22A233/029	03:03 11	SINGLE	265 0/270 0	20	.04	1/2	1	1	REC/UH	16K	-13	43.9/-12	277/ 17	277/10:59:58	00:27.9	
		BLU	SDR 127	126	1	0	0		68.54	5.32		FN0014/01	1			
		PHOBOS	(NON-NOMINAL COMMAND)													
22A234/029	03:18 11	SINGLE	255.0/260.0	20	.04	1/2	1	1	REC/UH	16K	-12	47.0/-10	280/ 15	277/11:14:58	00:27.9	
		BLU	SDR 122	0	0	4	1		69.43	6.24		FN0014/02	1			
		PHOBOS	(NON-NOMINAL COMMAND)													

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
22A235/029	03.43.11	SINGLE	237.5/242 5	30	.04	1/2	1	1	REC/UH	16K	-13	51.9/-7.5	286/ 13	277/11:39:58	00:27.9	
		BLU	SDR 125	0	0	1	1		70.01	6.09		FN0014/03	1			
		PHOBOS (NON-NOMINAL COMMAND)														
22A236/029	06.44.59	SINGLE	60 0/117.5	-10	.04	5/2	1	4	REC/UH	16K	-13	84.3/19.7	320/-11	277/14:41:46	05:07.8	
		BB4 *	SDR 1437	0	0	2	1		47.94	43.09		FN0014/04	2			
		MORNING HI-RES MOSAIC														
21A237/029	12:05.41	SINGLE	10.0/140.0	0	.04	5/2	1	4	RT/UH	16K	8	175.3/60.3	213/-57	277/20:02:28	11:18.0	
		BB4 *	ISDR 3177	0	0	74	1		111.82	65.52		FN0014/05	5			
		NOON RTI HI-RES MOSAIC														
21A238/029	12.43.26	SINGLE	30.0/ 75 0	-20	.04	5/2	1	4	RT/UH	16K	12	192.8/59.8	229/-59	277/20:40:13	03:13.0	
		BB4 *	ISDR 902	0	0	224	2		73.98	53.36		FN0014/06	2			
		NOON RTI HI-RES MOSAIC (RTC)														
22A239/029	13:40.38	SINGLE	115.0/125.0	-30	.04	0/2	1	4	REC/UH	16K	6	216.7/55.9	79/-59	277/21:37:25	00:54.5	
		BB2 *	SDR 252	251	1	0	0		114.40	38.93		FN0014/07	1			
		COLLECTOR HEAD IN CONTACT														
22A240/029	13:57 07	SINGLE	307 5/332.5	-30	.12	14/3	1	4	REC/UH	16K	8	222.6/54.2	87/-58	277/21:53.54	00:45.6	
		SURV	SDR 211	209	2	0	0		55.54	34.00		FN0014/08	1			
		COLLECTOR HEAD OVER XRFS														
21A241/029	14:07.26	SINGLE	290.0/300.0	-30	.04	0/2	1	4	REC/UH	16K	16	226.1/53 0	267/-57	277/22:04:13	00.54.5	
		BB2 *	SDR 252	251	1	0	0		116.93	50.82		FN0014/09	1			
		BACKHOE/PURGE SITE														
22A242/029	14.19.59	SINGLE	115.0/125.0	-30	.04	0/2	1	4	REC/UH	16K	8	230.1/51.5	96/-56	277/22:16:46	00:54.5	
		BB2 *	SDR 252	251	1	0	0		133.94	26.97		FN0014/10	1			
		SAMPLE SITE AFTER DIG														
22A243/030	06 44.59	SINGLE	110.0/115 0	-50	.04	8/2	1	4	REC/UH	16K	-13	84.4/19.6	320/-11	278/15:21:22	00:27.9	
		BB1 *	ISDR 122	0	0	4	1		38.43	15.24		FN0014/11	1			
		MORNING HI-RES COMP.-GORE FILL														
21A244/030	09.21.10	SINGLE	322 5/330.0	-30	.12	14/3	1	4	RT/SB	250	0	116.0/44.5	165/-36	278/17:57:33	11:48.0	
		SURV	ISDR 49	0	0	15	2		64.56	47.26		FN0014/12	1			
		BOOM POSITION AFTER SOL 29 SEQ														
22A245/030	10:57 08	SINGLE	307.5/332 5	-30	.12	14/3	1	4	REC/UH	16K	0	145.8/56.4	13/-50	278/19:33:30	00:45.6	
		SURV	ISDR 208	0	0	1	1		113.61	55.99		FN0014/13	1			
		COLLECTOR HEAD OVER XRFS														
21A246/030	11:07.27	SINGLE	290.0/300.0	-30	.04	0/2	1	4	REC/UH	16K	6	149.9/57.3	192/-51	278/19:43.49	00.54.5	
		BB2 *	ISDR 250	0	0	1	1		88.97	37.58		FN0014/14	1			
		BACKHOE/PURGE SITE														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
22A247/030	11:18.10	SINGLE	115.0/125.0	-30	.04	0/2	1	4	REC/UH	16K	2	154.3/58.1	20/-53	278/19:54.32	00:54.5	
		BB2 *	SDR	253	251	2	0	0	92.26	34.27		FN0014/15	1			
		SAMPLE SITE AFTER DIG														
21A248/030	11:31:04	SINGLE	282 5/292 5	-30	.04	0/2	1	4	REC/UH	16K	8	159.7/58 9	200/-54	278/20:07.26	00:54.5	
		BB2 *	SDR	253	251	2	0	0	96.75	38.19		FN0014/16	1			
		COLLECTOR HEAD ON ROCK														
22A249/030	11:32 47	SINGLE	90.0/100 0	-30	.04	0/2	1	4	REC/UH	16K	2	160 5/59 0	25/-54	278/20·09:09	00:54.5	
		BB2 *	SDR	250	0	0	1	1	101.09	35.53		FN0014/17	1			
		STEREO TO 21A248														
21A250/030	11:36 04	SINGLE	282 5/292 5	-30	.04	0/2	1	4	REC/UH	16K	8	161.9/59.2	202/-54	278/20:12.26	00·54.5	
		BB2 *	ISDR	250	0	0	1	1	102.65	35.40		FN0014/18	1			
		ROCK AFTER NUDGE														
22A251/030	11:37·47	SINGLE	90 0/100 0	-30	.04	0/2	1	4	REC/UH	16K	4	162.7/59.2	26/-55	278/20:14:09	00:54.5	
		BB2 *	SDR	252	251	1	0	0	107.67	32.59		FN0014/19	1			
		STEREO TO 21A250														
22A252/030	12:06:09	SINGLE	90 0/220 0	-10	.04	5/2	1	4	RT/UH	16K	4	175 6/60 1	37/-57	278/20:42:32	11:18.0	
		BB4 *	ISDR	3177	0	0	74	1	129.80	57.65		FN0014/20	5			
		NOON RTI HI-RES MOSAIC														
22A253/030	12·38.18	SINGLE	210 0/260 0	0	.04	5/2	1	4	RT/UH	16K	8	190 5/59.8	51/-59	278/21:14:40	03:49.0	
		BB4 *	ISDR	1072	0	0	179	1	147 69	74.19		FN0014/21	2			
		NOON RTI HI-RES MOSAIC														
22A254/030	14:25·00	COLOR	115.0/125.0	-30	.12	1/1	1	4	REC/UH	16K	10	231 6/50.7	98/-55	278/23.01:22	00:54.5	
		BLU *	SDR	83	0	0	1	1	103.52	27.43		FN0014/22	1			
		GRN *	SDR	83	0	0	1	1	113.54	32.98		FN0014/23	1			
		RED *	SDR	83	0	0	1	1	138 38	41.44		FN0014/24	1			
		COLOR OF XRFS TRENCH														
22A255/030	15:00·00	SINGLE	7.5/ 10.0	0	.04	5/2	1	4	REC/UH	16K	12	241 4/45.9	110/-52	278/23:36 22	00:14.5	
		BB4 *	SDR	65	64	1	0	0	101.21	54.65		FN0014/25	1			
		1500 HRS. MARGIN														
22B000/031	06:39.59	SINGLE	7 5/115.0	0	.04	5/2	1	4	REC/UH	16K	-12	83.7/18.7	319/-10	279/15.55.57	09:34.5	
		BB4 *	ISDR	2679	0	0	10	8	91.23	59.04		FN0015/01	4			
		MORNING HI-RES MOSAIC														
21B001/031	06:51·59	SINGLE	250.0/265.0	0	.04	5/2	1	4	REC/UH	16K	-6	85.8/20.7	137/-12	279/16:07:57	01:21.2	
		BB4 *	ISDR	372	0	0	4	1	141.76	78.41		FN0015/02	1			
		MORNING HI-RES MOSAIC														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		TAPE/FILE	# OF EDR SEGMENTS		
22B002/031	07:20 59	SINGLE	7 5/ 60.0	-10	.04	13/2	1	4	REC/UH	16K	-10	91 0/25.4	326/-17	279/16.36.57	04·41.2
		BB3 *	SDR 1315	1314	1	0	0		65.75	26.50		FN0015/03	2		
		MORNING HI-RES MOSAIC													
22B003/031	12:01 37	SINGLE	235.0/335.0	0	.04	5/2	1	4	RT/UH	16K	4	173 6/59 9	36/-57	279/21:17:35	08:54.0
		BB4 *	ISDR 2491	2501	2	12	3		104.37	60.09		FN0015/04	4		
		NOON RTI HI-RES MOSAIC													
22B004/031	12:37 03	SINGLE	7.5/ 87.5	0	.04	5/2	1	4	RT/UH	16K	6	190 0/59 7	51/-59	279/21:53:01	06:07.0
		BB4 *	ISDR 1718	0	0	283	2		139.63	36.56		FN0015/05	3		
		NOON RTI HI-RES MOSAIC													
22B005/031	15:00 00	SINGLE	75.0/ 77.5	-50	.04	8/2	1	4	REC/UH	16K	10	241 4/45.8	110/-52	280/00:15:57	00:14.5
		BB1 *	SDR 65	64	1	0	0		85.45	61 05		FN0015/06	1		
		1500 HRS. MARGIN													
21B006/031	18 06 00	SINGLE	150.0/152.5	30	.04	4/2	1	3	REC/UH	16K	12	278.9/16.2	330/-24	280/03:21·57	00:14.5
		SUN	SDR 65	64	1	0	0		31.52	20.46		FN0015/07	1		
		ATMOS. ATTENUATION													
21B007/031	19.04 00	SINGLE	160 0/162.5	20	.04	4/2	1	2	REC/UH	16K	10	288.9/ 7.1	340/-15	280/04:19·57	00:14.5
		SUN	ISDR 65	64	1	0	0		35.11	2.24		FN0015/08	1		
		ATMOS. ATTENUATION													
21B008/032	06.29 59	SINGLE	45.0/ 75.0	0	.04	5/2	1	4	REC/UH	16K	-8	82 1/17.0	133/ -9	280/16.25:32	02:41.2
		BB4 *	ISDR 746	0	0	5	2		89.73	37.80		FN0015/09	1		
		MORNING HI-RES MOSAIC													
21B009/032	06:39.59	SINGLE	260 0/335.0	-10	.04	5/2	1	4	REC/UH	16K	-6	83 8/18 7	135/-10	280/16:35.32	06:41.2
		BB4 *	ISDR 1870	0	0	6	6		41.19	32.98		FN0015/10	3		
		MORNING HI-RES MOSAIC													
21B010/032	06:49 59	SINGLE	75 0/142 5	0	.04	5/2	1	4	REC/UH	16K	-4	85.6/20 3	137/-12	280/16·45.32	06:01.2
		BB4 *	ISDR 1684	0	0	5	1		108.80	39 05		FN0015/11	3		
		MORNING HI-RES MOSAIC													
22B011/032	09.45 10	SINGLE	90.0/110.0	-30	.12	14/3	1	4	RT/SB	250	0	122.6/47 7	354/-40	280/19:40.43	11:48.0
		SURV *	ISDR 50	0	0	14	1		93.04	49.71		FN0015/12	1		
		BOOM POSITION													
22B012/032	11:59.19	SINGLE	95 0/200.0	-30	.04	0/2	1	4	RT/UH	16K	6	172 6/59.7	35/-56	280/21.54:52	08:54.0
		BB2 *	ISDR 2502	0	0	124	1		98.69	37 36		FN0015/13	4		
		NOON RTI HI-RES MOSAIC													
22B013/032	12:34·45	SINGLE	25.0/ 95.0	-10	.04	13/2	1	4	RT/UH	16K	8	188.9/59.6	50/-58	280/22·30:18	06:07.0
		BB3 *	ISDR 1719	0	0	32	1		129.72	31.93		FN0015/14	3		
		NOON RTI HI-RES MOSAIC													

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VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
22B014/032	14:59 59	SINGLE	10.0/ 12.5	-20	.04	13/2	1	4	REC/UH	16K	10	241 3/45 6	110/-52	281/00:55:32	00:14.5	
		BB3 *	SDR 65	64	1	0	0		87.23	31.98		FN0015/15	1			
		1500 HRS. MARGIN														
21B015/033	06:44 59	SINGLE	177 5/257 5	-50	.04	8/2	1	4	REC/UH	16K	-8	84.9/19.4	136/-11	281/17:20:07	7: 7.8	
		BB1 *	ISDR 1993	0	0	8	5		57.89	42.16		FN0015/16	3			
		MORNING HI-RES COMPOSITE														
22B016/033	08 49:00	COLOR	172.5/212 5	10	.12	1/1	1	5	REC/UH	16K	-8	108 9/39.3	342/-31	281/19:24:09	03:34.5	D
		BLU	ISDR 332	0	0	2	1		129 56	71.97		FN0015/17	1			
		GRN *	ISDR 332	0	0	2	1		130 60	69.41		FN0015/18	1			
		RED	ISDR 331	0	0	3	1		123.50	63.46		FN0015/19	1			
		SKY BRIGHTNESS														
22B017/033	08.54.01	IR	172.5/212 5	10	.12	9/1	1	4	REC/UH	16K	-6	110.0/40.1	343/-32	281/19:29:09	03:34.5	
		IR3	SDR 333	0	0	1	1		122.75	73.83		FN0015/20	1			
		IR2	SDR 333	0	0	1	1		123 72	73.54		FN0015/21	1			
		IR1	SDR 333	0	0	1	1		123.52	72.84		FN0015/22	1			
		SKY BRIGHTNESS														
22B018/033	08:59 01	SINGLE	172.5/212.5	10	.12	14/3	1	5	REC/UH	16K	-6	111.1/40.9	344/-32	281/19:34:09	01:12.3	
		SURV	SDR 336	334	2	0	0		127.12	63.99		FN0015/23	1			
		SKY BRIGHTNESS														
22B019/033	09:00 11	SINGLE	170.0/170 0	0		15/7	1	2	REC/UH	16K	-4	/	/	281/19:35:21	0:18.0	
		CAL	SDR 61	0	0	0	0		00	.00		FN0015/24	1			
		CALIBRATION														
22B020/033	10:29:59	SINGLE	285.0/290.0	-20	.04	8/2	1	4	REC/UH	16K	0	136 6/53.2	6/-46	281/21.05:07	00:27.9	
		BB1	SDR 127	126	1	0	0		66.45	36.67		FN0015/25	1			
		RTC MAGNET														
21B021/033	11:56 52	SINGLE	170 0/270 0	-40	.04	8/2	1	4	RT/UH	16K	8	171 6/59.5	210/-56	281/22:32:00	08:54.0	
		BB1 *	ISDR 2503	2501	2	0	0		118 92	38.11		FN0015/26	4			
		NOON RTI HI-RES MOSAIC														
21B022/033	12:32 18	SINGLE	240.0/310 0	-30	.04	13/2	1	4	RT/UH	16K	10	187.9/59 5	225/-58	281/23:07:27	06.07.0	
		BB3 *	ISDR 1718	0	0	33	2		123.71	37 85		FN0015/27	3			
		NOON RTI HI-RES MOSAIC														
22B023/034	04:29.00	COLOR	110.0/170 0	10	.12	1/1	1	5	REC/UH	16K	-4	61.1/-1 8	295/ 8	282/15:43:43	05:21.2	
		BLU *	ISDR 498	0	0	3	2		103.26	54.80		FN0016/01	1			
		GRN	ISDR 497	0	0	4	2		97.68	55.00		FN0016/02	1			
		RED	ISDR 497	0	0	4	2		82.23	48.33		FN0016/03	1			
		SUNRISE (SKY)														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
21B024/034	04:35 00	COLOR	200.0/260.0		-20	.12	1/1	1	1 REC/UH	16K	-10	62 2/-0.9	113/ 7	282/15:49:43	05:21.2	
		BLU	ISDR	499	0	0	2	2	79.55	27.18		FN0016/04	1			
		GRN	ISDR	496	0	0	5	4	81.27	29.10		FN0016/05	1			
		RED *	ISDR	498	0	0	3	2	92.53	30.24		FN0016/06	1			
		SUNRISE (SURFACE)														
22B025/034	06:45 00	SINGLE	10 0/ 20.0		-30	.04	0/2	1	4 REC/UH	16K	-13	85.0/19.3	320/-11	282/17:59:43	00:54.5	
		BB2 *	SDR	252	251	1	0	0	45.37	28.53		FN0016/07	1			
		MORNING HI-RES MOSAIC														
22B026/034	09:45:11	SINGLE	102 5/110 0		-30	.12	14/3	1	4 RT/SB	250	-2	123.0/47 5	355/-40	282/20.59:55	11:48.0	
		SURV *	ISDR	50	0	0	14	1	93.88	49.96		FN0016/08	1			
		SURVEY OF ROCK ROLL AREA														
22B027/034	10:30 00	COLOR	285.0/290.0		-10	.12	1/1	1	4 REC/UH	16K	0	136 7/53.1	6/-46	282/21:44:43	00:27.9	
		BLU	SDR	42	0	0	1	1	79 84	54.52		FN0016/09	1			
		GRN	SDR	41	0	0	2	1	81.75	54.96		FN0016/10	1			
		RED	SDR	41	0	0	2	1	88.21	54.08		FN0016/11	1			
		RTC NO. 2-COLOR														
22B028/034	10:41 36	SINGLE	102 5/112 5		-30	.04	0/2	1	4 REC/UH	16K	0	140.8/54 4	9/-48	282/21:56:19	00:54.5	
		BB2 *	SDR	252	251	1	0	0	85.86	32 66		FN0016/12	1			
		BOOM TOUCHING ROCK AFTER ROLL														
21B029/034	10:43:21	SINGLE	292.5/302 5		-30	.04	0/2	1	4 REC/UH	16K	4	141.4/54 5	185/-48	282/21:58:04	00:54.5	
		BB2 *	SDR	252	251	1	0	0	77.98	36.49		FN0016/13	1			
		STEREO TO 22B028														
22B030/034	10:48 10	SINGLE	102.5/112.5		-30	.04	0/2	1	4 REC/UH	16K	2	143 1/55.0	11/-48	282/22:02:53	00:54.5	
		BB2 *	SDR	252	251	1	0	0	92.11	31.78		FN0016/14	1			
		ROCK AFTER ROLL-BOOM REMOVED														
21B031/034	10 49 55	SINGLE	292.5/302.5		-30	.04	0/2	1	4 REC/UH	16K	4	143 8/55.2	187/-49	282/22:04:38	00:54.5	
		BB2 *	SDR	252	251	1	0	0	85.51	36.63		FN0016/15	1			
		STEREO TO 22B030														
21B032/034	11.54 18	SINGLE	150.0/250.0		-20	.04	0/2	1	4 RT/UH	16K	8	170 6/59.3	209/-56	282/23:09:02	08:54.0	
		BB2 *	ISDR	2503	2501	2	0	0	126.34	33.35		FN0016/16	4			
		NOON RTI HI-RES MOSAIC														
21B033/034	12.29 44	SINGLE	210.0/280.0		-50	.04	8/2	1	4 RT/UH	16K	10	186 7/59.4	224/-58	282/23:44.28	6: 7.0	
		BB1 *	ISDR	1719	0	0	32	1	102.02	47.05		FN0016/17	3			
		NOON RTI HI-RES COMPOSITE														
21B034/035	11.51:55	SINGLE	150.0/225.0		-10	.04	13/2	1	4 RT/UH	16K	8	169.6/59.1	209/-55	283/23:46:14	06:33.0	
		BB3 *	ISDR	1841	0	0	35	1	128.44	34.21		FN0016/18	3			
		NOON RTI HI-RES MOSAIC														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
21B035/035	12:30.10	SINGLE	277.5/315.0	-40	.04	0/2	1	4	RT/UH	16K	10	187.0/59.3	224/-58	284/00.24:29	03.16.0	
		BB2 *	ISDR 916	0	0	23	2		113.35	54.20		FN0016/19	2			
		NOON RTI HI-RES MOSAIC														
22B036/035	13:30 00	COLOR	102 5/112.5	-30	.12	1/1	1	4	REC/UH	16K	6	212.3/55.9	75/-58	284/01:24:18	00:54.5	
		BLU	SDR 83	0	0	1	1		101 49	27.00		FN0016/20	1			
		GRN	SDR 83	0	0	1	1		115.20	28 09		FN0016/21	1			
		RED	SDR 83	0	0	1	1		144.71	30 33		FN0016/22	1			
		COLOR OF 7 CHAN SET(3 EVENTS)														
22B037/035	13:35 00	IR	102.5/112.5	-30	.12	9/1	1	4	REC/UH	16K	6	214.3/55 5	77/-58	284/01·29:18	00.54.5	
		IR3	SDR 83	0	0	1	1		112.50	22 93		FN0016/23	1			
		IR2	SDR 83	0	0	1	1		107.17	21.92		FN0016/24	1			
		IR1 *	SDR 83	0	0	1	1		116.05	23 48		FN0016/25	1			
		IR OF 7 CHAN SET(3 EVENTS)														
22B038/035	13:40 00	SINGLE	102.5/112.5	-30	.12	14/3	1	4	REC/UH	16K	6	216.1/55 0	79/-58	284/01:34:18	00:19.0	
		SURV	SDR 86	84	2	0	0		132.87,	29.12		FN0016/26	1			
		SURVEY OF 7 CHAN SET(3 EVENTS)														
21B039/036	06:49.59	SINGLE	215 0/260.0	-10	.04	5/2	1	4	REC/UH	16K	-8	86.2/19.9	137/-11	284/19:23:53	04.01.2	
		BB4 *	ISDR 1122	0	0	4	1		50.72	31 82		FN0017/01	2			
		MORNING HI-RES MOSAIC														
21B040/036	07·00.59	SINGLE	150 0/265.0	-30	.04	0/2	1	4	REC/UH	16K	-6	88.1/21 7	139/-13	284/19:34:53	10:14.5	
		BB2 *	ISDR 2874	0	0	2	1		61.64	38.55		FN0017/02	4			
		MORNING HI-RES MOSAIC														
22B041/036	07:39.59	SINGLE	25 0/ 32.5	-20	.04	8/2	1	4	REC/UH	16K	-10	95 3/28.1	330/-19	284/20:13:53	00:41.2	
		BB1	SDR 190	189	1	0	0		63.21	26.75		FN0017/03	1			
		MORNING HI-RES MOSAIC														
22B042/036	09:45 10	SINGLE	102.5/110.0	-30	.12	14/3	1	4	RT/SB	250	-2	123.3/47.3	355/-39	284/22.19:04	11:48.0	
		SURV *	ISDR 50	0	0	14	1		95.79	51.94		FN0017/04	1			
		SURVEY OF ROCK ROLL AREA														
21B043/036	10:39·59	COLOR	35 0/ 62.5	-20	.12	1/1	1	4	REC/UH	16K	4	140.5/53.9	185/-47	284/23:13:53	02·27.9	
		BLU *	SDR 229	0	0	1	1		87.45	54.16		FN0017/05	1			
		GRN *	SDR 229	0	0	1	1		86.92	54 44		FN0017/06	1			
		RED *	SDR 229	0	0	1	1		98.49	65.51		FN0017/07	1			
		TEST GRID (COLOR)														
22B044/036	11:49·12	SINGLE	115.0/190.0	-30	.04	13/2	1	4	RT/UH	16K	4	168.5/58.8	32/-55	285/00:23.06	06:33.0	
		BB3 *	SDR 1839	0	0	37	3		95.56	38.67		FN0017/08	3			
		NOON RTI HI-RES MOSAIC														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
22B045/036	12:27 27	SINGLE	10.0/ 47.5	-30	.04	0/2	1	4	RT/UH	16K	6	185 8/59.2	47/-57	285/01.01:21	03:16.0	
		BB2	* ISDR 917	0	0	22	1		127.36	44.54		FN0017/09	2			
		NOON RTI HI-RES MOSAIC														
22B046/037	11 46·21	SINGLE	45.0/120.0	-30	.04	0/2	1	4	RT/UH	16K	2	167 3/58 6	31/-55	286/00:59.50	06:33.0	
		BB2	* ISDR 1840	0	0	36	2		119.44	40.89		FN0017/10	3			
		NOON RTI HI-RES MOSAIC														
22B047/037	12.24 36	SINGLE	95.0/140.0	-30	.04	0/2	1	4	RT/UH	16K	4	184.6/59.0	46/-57	286/01:38:05	03:16.0	
		BB2	* SDR 917	0	0	209	1		111.68	33.60		FN0017/11	2			
		NOON RTI HI-RES MOSAIC														
21B048/037	16:10 30	SINGLE	292 5/302.5	-30	.04	0/2	1	4	REC/UH	16K	12	257.0/34.2	305/-41	286/05:24:00	00.54.5	
		BB2	* ISDR 252	251	1	0	0		135.10	37.44		FN0017/12	1			
		COLLECTOR HEAD ON SURFACE														
21B049/037	16.16 11	SINGLE	292.5/302.5	-30	.04	0/2	1	4	REC/UH	16K	12	258.1/33.3	307/-40	286/05.29:41	00:54.5	
		BB2	* ISDR 252	251	1	0	0		135.15	35 77		FN0017/13	1			
		COLL HEAD AFTER SAMP. ACQUIS.														
21B050/037	16:34 19	SINGLE	20 0/ 27.5	-30	.12	14/3	1	4	REC/UH	16K	12	261.7/30.3	311/-38	286/05:47:49	00:14.5	
		SURV	ISDR 65	64	1	0	0		90.39	39 63		FN0017/14	1			
		COLLECTOR HEAD OVER GCMS PDA														
21B051/037	17.39 58	SINGLE	292.5/302.5	-30	.04	0/2	1	4	REC/UH	16K	12	273 8/19.7	324/-27	286/06.53·28	00·54.5	
		BB2	* ISDR 252	251	1	0	0		88.67	36.21		FN0017/15	1			
		SAMPLE TRENCH (CAM. 1)														
22B052/037	17:49 58	COLOR	102.5/112.5	-30	.12	1/1	1	4	REC/UH	16K	8	275 6/18 0	150/-26	286/07:03:28	00·54.5	
		BLU	* SDR 82	0	0	2	2		61.37	27 10		FN0017/16	1			
		GRN	* SDR 83	0	0	1	1		67.12	27 85		FN0017/17	1			
		RED	* SDR 83	0	0	1	1		74.96	31 24		FN0017/18	1			
		COLOR OF TRENCH (CAM. 2)														
21B053/037	19:12 58	COLOR	180.0/267.5	-30	.12	1/1	1	1	REC/UH	16K	10	290 0/ 4 8	341/-12	286/08:26:28	07.47.8	
		BLU	* ISDR 727	0	0	3	2		109 23	33 64		FN0017/19	1			
		GRN	* ISDR 728	0	0	2	1		117 13	33.60		FN0017/20	1			
		RED	* ISDR 727	0	0	3	1		133.67	32.23		FN0017/21	1			
		LATE AFTERNOON COLOR MOSAIC														
21B054/038	07.00 00	SINGLE	120.0/215.0	-10	.04	13/2	1	4	REC/UH	16K	-10	88.2/21.4	139/-13	286/20·53.04	08.27.8	
		BB3	* ISDR 2372	0	0	4	1		95.85	35.63		FN0017/22	3			
		MORNING HI-RES MOSAIC														
22B055/038	09:57 11	SINGLE	102.5/110.0	-30	.12	14/3	1	4	RT/SB	250	-2	127.1/48.7	358/-41	286/23:50.16	11:48.0	
		SURV	* ISDR 50	0	0	14	1		97.18	49.07		FN0017/23	1			
		SURVEY OF SAMPLE AREA														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS			AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
22B056/038	10:30 00	SINGLE	290.0/310.0	-30	.04	8/2	1	4	REC/UH	16K	0	137 4/52 6	6/-46	287/00:23.04	01:47.9	
		BB1	ISDR 502	501	1	0	0		93.73	55.57		FN0017/24	1			
		HI-RES OF TEST GRID														
22B057/038	11.43 23	SINGLE	90 0/165 0	-50	.04	8/2	1	4	RT/UH	16K	4	166 2/58.3	30/-54	287/01·36:27	6:33.0	
		BB1 *	ISDR 1841	0	0	35	1		103 35	32.02		FN0017/25	3			
		NOON RTI HI-RES COMPOSITE														
22B058/038	12:21·38	SINGLE	55 0/ 92.5	-50	.04	8/2	1	4	RT/UH	16K	4	183.3/58.9	45/-57	287/02:14:43	3.16.0	
		BB1 *	ISDR 917	0	0	22	1		129.40	52.01		FN0017/26	2			
		NOON RTI HI-RES COMPOSITE														
21B059/038	17.29 59	SINGLE	145 0/192.5	-10	.04	13/2	1	4	REC/UH	16K	10	271.9/21.1	322/-29	287/07:23:04	04:14.5	
		BB3 *	ISDR 1184	0	0	5	2		40.89	19.31		FN0017/27	2			
		EVENING HI-RES MOSAIC														
21B060/038	17.39 59	SINGLE	252.5/330.0	-50	.04	8/2	1	4	REC/UH	16K	10	273.7/19.5	324/-27	287/07:33:04	6:54.5	
		BB1 *	ISDR 1940	1939	1	0	0		67.62	44.21		FN0017/28	3			
		EVENING HI-RES COMPOSITE														
22B061/039	06.45 00	SINGLE	15.0/ 90.0	-30	.04	0/2	1	4	REC/UH	16K	-13	85.7/18.9	321/-10	287/21:17:39	06·41.2	
		BB2 *	ISDR 1876	1876	1	1	1		60.81	31.40		FN0018/01	3			
		MORNING HI-RES MOSAIC														
21B062/039	11 40 15	SINGLE	215.0/290.0	-50	.04	1/2	1	4	RT/UH	16K	4	164.9/58.1	205/-54	288/02:12:55	06:33.0	
		BLU *	ISDR 1841	0	0	35	1		81.83	44.40		FN0018/02	3			
		TRENCH (NON-NOMINAL COMMAND)														
21B063/039	12·18.30	SINGLE	180.0/217 5	-50	.04	1/2	1	4	RT/UH	16K	6	181 9/58.8	220/-57	288/02:51:10	03.16.0	
		BLU *	ISDR 917	0	0	22	1		73.05	45.18		FN0018/03	2			
		TRENCH (NON-NOMINAL COMMAND)														
21B064/039	14:20 59	COLOR	30 0/ 35 0	-10	.12	1/1	1	5	REC/UH	16K	8	229.6/49.8	272/-54	288/04:53:39	00·27.9	
		BLU	SDR 42	0	0	1	1		77.37	35.57		FN0018/04	1			
		GRN	SDR 41	0	0	2	1		81.80	48.57		FN0018/05	1			
		RED	SDR 41	0	0	2	1		66.63	34.62		FN0018/06	1			
		PHOTOMETRICS (LANDER)														
21B065/039	14.22 59	IR	30.0/ 35.0	-10	.12	9/1	1	5	REC/UH	16K	8	230 2/49.6	273/-54	288/04:55:39	00:27.9	
		IR3	SDR 42	0	0	1	1		60.23	29.79		FN0018/07	1			
		IR2	SDR 41	0	0	2	1		58.62	28.94		FN0018/08	1			
		IR1	SDR 41	0	0	2	1		61.22	30.06		FN0018/09	1			
		PHOTOMETRICS (LANDER)														
21B066/039	16:35.59	COLOR	22.5/ 27.5	-10	.12	1/1	1	5	REC/UH	16K	10	261.9/29.8	311/-37	288/07:08:39	00:27.9	
		BLU	SDR 42	0	0	1	1		79.82	53.70		FN0018/10	1			
		GRN	SDR 41	0	0	2	1		72.33	41.39		FN0018/11	1			
		RED	SDR 41	0	0	2	1		54.94	23.32		FN0018/12	1			
		PHOTOMETRICS (LANDER)														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
21B067/039	16:37 59	IR	22.5/ 27 5		-10 .12	9/1	1	5	REC/UH	16K	10	262.2/29.5	311/-37	288/07:10:39	00:27.9	
		IR3	SDR	42	0 0	1	1		48.06	20.51		FN0018/13	1			
		IR2	SDR	41	0 0	2	1		46.46	19.38		FN0018/14	1			
		IR1	SDR	41	0 0	2	1		48.86	19.38		FN0018/15	1			
		PHOTOMETRICS (LANDER)														
21B068/039	17:40 59	COLOR	30 0/ 35.0		-10 .12	1/1	1	5	REC/UH	16K	10	273.8/19.2	324/-27	288/08:13:39	00:27.9	
		BLU	SDR	42	0 0	1	1		63.87	43.77		FN0018/16	1			
		GRN	SDR	41	0 0	2	1		66.11	45 68		FN0018/17	1			
		RED	SDR	41	0 0	2	1		49.35	25.90		FN0018/18	1			
		PHOTOMETRICS (LANDER)														
21B069/039	17:42·59	IR	30 0/ 35.0		-10 .12	9/1	1	5	REC/UH	16K	10	274.2/18 9	325/-27	288/08:15:39	00:27.9	
		IR3	SDR	40	0 0	3	2		43.29	23 03		FN0018/19	1			
		IR2	SDR	39	0 0	4	2		42 43	22.11		FN0018/20	1			
		IR1	SDR	39	0 0	4	2		43.55	21 07		FN0018/21	1			
		PHOTOMETRICS (LANDER)														
21B070/039	18:10·59	COLOR	22.5/ 27 5		-10 .12	1/1	1	5	REC/UH	16K	10	279.1/14 3	330/-22	288/08:43:39	00:27.9	
		BLU	SDR	42	0 0	1	1		89.41	72.06		FN0018/22	1			
		GRN	SDR	4#	0 0	2	1		87.54	62.18		FN0018/23	1			
		RED	SDR	41	0 0	2	1		71.10	44.46		FN0018/24	1			
		PHOTOMETRICS (LANDER)														
21B071/039	18:12.59	IR	22 5/ 27.5		-10 .12	9/1	1	5	REC/UH	16K	10	279 4/14.0	330/-22	288/08:45:39	00.27.9	
		IR3	SDR	42	0 0	1	1		63.74	38.67		FN0018/25	1			
		IR2	SDR	41	0 0	2	1		62.72	37.57		FN0018/26	1			
		IR1	SDR	41	0 0	2	1		62.29	39.26		FN0018/27	1			
		PHOTOMETRICS (LANDER)														
21B072/039	18.30 59	COLOR	22 5/ 27.5		-10 .12	1/1	1	5	REC/UH	16K	10	282.5/11 1	333/-19	288/09:03:39	00:27.9	
		BLU	SDR	42	0 0	1	1		87.10	67 38		FN0018/28	1			
		GRN	SDR	41	0 0	2	1		75 38	53.29		FN0018/29	1			
		RED	SDR	41	0 0	2	1		58.60	37.80		FN0018/30	1			
		PHOTOMETRICS (LANDER)														
21B073/039	18.32·59	IR	22.5/ 27.5		-10 .12	9/1	1	5	REC/UH	16K	10	282.9/10.8	334/-19	288/09:05:39	00:27.9	
		IR3	SDR	42	0 0	1	1		55.11	33.01		FN0018/31	1			
		IR2	SDR	41	0 0	2	1		54.50	32.28		FN0018/32	1			
		IR1	SDR	41	0 0	2	1		54.17	33.63		FN0018/33	1			
		PHOTOMETRICS (LANDER)														
21B074/039	18:40.59	COLOR	22 5/ 27 5		-10 .12	1/1	1	5	REC/UH	16K	10	284 3/ 9.5	335/-17	288/09:13:39	00·27.9	
		BLU	SDR	42	0 0	1	1		73.14	55.55		FN0018/34	1			
		GRN	SDR	41	0 0	2	1		62.36	43.13		FN0018/35	1			
		RED	SDR	41	0 0	2	1		51.82	33.23		FN0018/36	1			
		PHOTOMETRICS (LANDER)														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
21B075/039	18:42:59	IR	22.5/ 27.5	-10	.12	9/1	1	5	REC/UH	16K	10	284 6/ 9.2	336/-17	288/09:15:39	00:27.9	
		IR3	SDR	42	0	0	1	1	49.43	30.08		FN0018/37	1			
		IR2	SDR	41	0	0	2	1	48.80	29.75		FN0018/38	1			
		IR1	SDR	41	0	0	2	1	48.85	30.97		FN0018/39	1			
		PHOTOMETRICS (LANDER)														
22B076/039	19:09.59	COLOR	75 0/197 5	-30	.12	1/1	1	1	REC/UH	16K	4	289.3/ 5 0	164/-13	288/09:42 39	10:54.5	
		BLU *	ISDR	1019	0	0	3	2	122.56	38.83		FN0018/40	2			
		GRN	ISDR	1019	0	0	3	1	129.71	38 26		FN0018/41	2			
		RED	ISDR	1019	0	0	3	1	144.14	36.11		FN0018/42	2			
		LATE AFTERNOON COLOR MOSAIC														
22B077/039	19:20.53	SINGLE 170 0/170.0		0	.	03/7	01	2	REC/UH	16K	6	/	/	288/09:53:33		
		RED/C	SDR	58	0	0	0	0	00	.00		FN0018/43	1			
		CALIBRATION														
22B078/040	03:30:59	COLOR	107 5/107 5	10	.12	1/1	1	0	REC/UH	250	-13	50 8/-10	284/ 15	288/18.43.14	24.01.2	R
		BLU *	ISDR	37	2	37	1	1	163 68	26.24		FN0019/01	1			
		GRN	ISDR	38	2	37	0	0	163.11	25.42		FN0019/02	1			
		RED	ISDR	37	2	37	1	1	164.25	24.42		FN0019/03	1			
		TWILIGHT RESCAN														
22B079/040	03:56.29	COLOR	112.5/112 5	10	.12	1/1	1	2	REC/UH	250	-13	55.8/-6 9	290/ 13	288/19:08:44	24.01.2	R
		BLU *	ISDR	37	2	37	1	1	73.56	54.19		FN0019/04	1			
		GRN	ISDR	38	2	37	0	0	73.46	53 29		FN0019/05	1			
		RED	ISDR	38	2	37	0	0	76.00	55.25		FN0019/06	1			
		TWILIGHT RESCAN														
22B080/040	04:21.59	COLOR	117.5/117.5	10	.12	1/1	1	4	REC/UH	250	-12	60.6/-3.4	295/ 9	288/19:34.14	24:01.2	R
		BLU *	ISDR	34	2	34	1	1	102.64	61.42		FN0019/07	1			
		GRN	ISDR	35	2	34	0	0	98.50	60.81		FN0019/08	1			
		RED	ISDR	35	2	34	0	0	100.51	64.27		FN0019/09	1			
		TWILIGHT RESCAN														
22B081/040	05.19:59	SINGLE 125.0/127.5		10	.04	4/2	1	1	REC/UH	16K	-10	71.0/ 5.2	306/ 2	288/20:32:14	00:14.5	
		SUN	SDR	65	64	1	0	0	68.45	2.31		FN0019/10	1			
		SOLAR EXTINCTION														
22B082/040	06.02 44	SINGLE 132.5/135.0		10	.04	4/2	1	3	REC/UH	16K	-10	78 5/12 0	314/ -4	288/21:14:59	00:14.5	
		SUN	SDR	65	64	1	0	0	25.61	8.19		FN0019/11	1			
		SOLAR EXTINCTION														
22B083/040	06:43:59	SINGLE 140.0/142.5		20	.04	4/2	1	4	REC/UH	16K	-8	85.7/18.6	321/-10	288/21:56:14	00:14.5	
		SUN	SDR	65	64	1	0	0	38.55	16.52		FN0019/12	1			
		SOLAR EXTINCTION														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS			AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
21B085/040	11.36:58	SINGLE	215.0/290.0	-50	.04	2/2	1	4	RT/UH	16K	4	163.6/57.8	204/-53	289/02:49:13	6:33.0	
		GRN *	ISDR 1841	0	0	35	1		80.47	46.54		FN0019/13	3			
		HI-RES COLOR COMPOSITE (G)														
21B086/040	12:15·13	SINGLE	180.0/217.5	-50	.04	2/2	1	4	RT/UH	16K	6	180 5/58.6	219/-56	289/03:27:28	3:16.0	
		GRN *	ISDR 917	0	0	22	1		73.84	46.36		FN0019/14	2			
		HI-RES COLOR COMPOSITE (G)														
22B087/040	19:09 59	COLOR	197 5/255.0	10	.12	1/1	1	1	REC/UH	16K	4	289 2/ 4 9	164/-12	289/10:22:14	05:07.8	
		BLU	SDR 479	0	0	1	1		142 01	55.54		FN0019/15	1			
		GRN	SDR 479	0	0	1	1		151.73	55.32		FN0019/16	1			
		RED	SDR 479	0	0	1	1		171.86	50.79		FN0019/17	1			
		LATE AFTERNOON COLOR MOSAIC														
22B088/041	11:34.22	SINGLE	52.5/ 75.0	-50	.04	3/2	1	4	RT/UH	16K	0	162 7/57.5	27/-53	290/03·26·12	1:50.0	
		RED *	SDR 514	0	0	50	1		142.54	55.80		FN0019/18	1			
		HI-RES COLOR COMPOSITE (R)														
22B089/041	12:09·44	SINGLE	72.5/142 5	-50	.04	3/2	1	4	RT/UH	16K	2	178 2/58.4	41/-56	290/04:01:35	6: 8.0	
		RED *	ISDR 1705	0	0	46	1		123 77	37.65		FN0019/19	3			
		HI-RES COLOR COMPOSITE (R)														
22B090/041	17:29.59	SINGLE	185 0/195.0	-20	.04	5/2	1	4	REC/UH	16K	8	271 7/20 7	146/-28	290/09:21:49	00:54.5	
		BB4 *	ISDR 252	251	1	0	0		66.78	30.92		FN0019/20	1			
		EVENING HI-RES MOSAIC														
22B091/041	17:32·59	SINGLE	55.0/ 85.0	-30	.04	0/2	1	4	REC/UH	16K	8	272 2/20.2	147/-28	290/09:24:49	02:41.2	
		BB2 *	ISDR 754	751	3	0	0		52 95	27.07		FN0019/21	1			
		EVENING HI-RES MOSAIC														
21B092/041	19:09.59	COLOR	267.5/307.5	-20	.12	1/1	1	1	REC/UH	16K	8	289 2/ 4 7	340/-12	290/11:01:49	03:34.5	
		BLU *	ISDR 333	0	0	1	1		144.41	43 66		FN0019/22	1			
		GRN *	ISDR 333	0	0	1	1		151.69	42.99		FN0019/23	1			
		RED *	ISDR 333	0	0	1	1		159.00	40.04		FN0019/24	1			
		EVENING COLOR MOSAIC														
21B093/042	06:49.59	SINGLE	305.0/330.0	-40	.04	0/2	1	4	REC/UH	16K	-8	87.1/19.4	138/-11	290/23:21.25	02:14.5	
		BB2 *	SDR 625	0	0	1	1		39.70	16.70		FN0019/25	1			
		MORNING HI-RES MOSAIC														
21B094/042	06:54.59	SINGLE	257 5/292 5	-50	.04	8/2	1	4	REC/UH	16K	-8	87.9/20.2	139/-12	290/23:26:25	3: 7.8	
		BB1 *	ISDR 872	0	0	4	1		32.24	11.76		FN0019/26	1			
		MORNING HI-RES COMPOSITE														
21B095/042	08:59.59	SINGLE	135.0/192.5	0	.04	5/2	1	4	REC/UH	16K	-2	112.9/40.2	162/-32	291/01:31:25	05:07.8	
		BB4 *	ISDR 1440	1439	1	0	0		145.19	29.04		FN0019/27	2			
		9 AM HI-RES MOSAIC														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
21B096/042	09 07 59	SINGLE	235 0/255 0	-10	.04	5/2	1	4	REC/UH	16K	0	114.8/41.4	164/-33	291/01:39:25	01:47.9	
		BB4 *	ISDR 502	501	1	0	0		94 23	38.69		FN0019/28	1			
		9 AM HI-RES MOSAIC														
22B098/042	10:29.59	SINGLE	285 0/290 0	-20	.04	8/2	1	4	REC/UH	16K	0	138.2/52.1	7/-45	291/03:01:25	00:27.9	
		BB1	ISDR 123	0	0	3	2		64.02	36.68		FN0019/29	1			
		HI-RES OF MAGNETS (MAG. PROP.)														
22B099/042	11:30:51	SINGLE	52.5/ 75.0	-50	.04	2/2	1	4	RT/UH	16K	2	161.3/57.2	26/-52	291/04:02:16	1.50.0	
		GRN *	ISDR 514	0	0	50	1		94.64	56.14		FN0019/30	1			
		HI-RES COLOR COMPOSITE (G)														
22B100/042	12:06 13	SINGLE	72 5/142 5	-50	.04	2/2	1	4	RT/UH	16K	2	176 7/58 3	39/-55	291/04:37:39	6: 8.0	
		GRN *	ISDR 1694	0	0	57	1		95.74	29.66		FN0019/31	3			
		HI-RES COLOR COMPOSITE (G)														
22B101/042	19:06 59	COLOR	255 0/312.5	0	.12	1/1	1	1	REC/UH	16K	4	288.5/ 5.0	164/-13	291/11:38.25	05.07.8	
		BLU *	ISDR 479	0	0	1	1		118 72	35.85		FN0019/32	1			
		GRN *	ISDR 479	0	0	1	1		122.66	34.18		FN0019/33	1			
		RED *	ISDR 479	0	0	1	1		133.28	32 48		FN0019/34	1			
		EVENING COLOR MOS.. C														
22B102/043	11.27 09	SINGLE	52 5/ 75.0	-50	.04	1/2	1	4	RT/UH	16K	0	159 9/56.8	25/-52	292/04:38:09	1:50.0	
		BLU *	ISDR 514	0	0	50	1		114.98	55.26		FN0020/01	1			
		HI-RES COLOR COMPOSITE (B)														
22B103/043	12 02.31	SINGLE	72 5/142.5	-50	.04	1/2	1	4	RT/UH	16K	2	175.1/58.1	38/-55	292/05:13:32	6. 8.0	
		BLU *	ISDR 1578	0	0	173	5		86.18	25:20		FN0020/02	3			
		HI-RES COLOR COMPOSITE (B)														
21B104/043	19 04 59	COLOR	27.5/ 65.0	0	.12	1/1	1	1	REC/UH	16K	8	288 1/ 5 2	339/-13	292/12:16:00	03:21.2	
		BLU *	SDR 312	0	0	2	2		144 47	43.57		FN0020/03	1			
		GRN *	SDR 312	0	0	2	1		149.79	43 01		FN0020/04	1			
		RED *	SDR 312	0	0	2	1		155.95	39.62		FN0020/05	1			
		LATE AFTERNOON COLOR MOSAIC														
22B105/044	05.29.23	SINGLE	127 5/130 0	10	.04	4/2	1	1	REC/UH	16K	-15	73.2/ 6 3	308/ 1	292/23:19:59	00:14.5	
		SUN	ISDR 62	0	0	.2	1		68.01	3.70		FN0020/06	1			
		SOLAR EXTINCTION EXPERIMENT														
22B106/044	05 59:23	SINGLE	132 5/135 0	10	.04	4/2	1	2	REC/UH	16K	-15	78.5/11.0	314/ -3	292/23:49:59	00:14.5	
		SUN	ISDR 62	0	0	2	1		31.47	4.12		FN0020/07	1			
		SOLAR EXTINCTION EXPERIMENT														
22B107/044	07:19.23	COLOR	187.5/260.0	10	.12	1/1	1	4	REC/UH	16K	-12	92.7/24.0	328/-15	293/01:09:59	06:27.8	
		BLU *	ISDR 604	0	0	1	1		111.82	55.25		FN0020/08	1			
		GRN *	ISDR 603	0	0	2	1		108.24	54.29		FN0020/09	1			
		RED *	ISDR 603	0	0	2	1		102.67	52.71		FN0020/10	1			
		SEVEN CHANNEL SKY BRIGHTNESS														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS		
22B108/044	07:27 44	IR	187.5/260.0	10	.12	9/1	1	4	REC/UH	16K	-10	94.2/25.4	329/-17	293/01:18:20	06:27.8
		IR3	ISDR 603	0	0	2	1		85.23	45.62		FN0020/11	1		
		IR2	ISDR 602	0	0	3	1		83.51	44.84		FN0020/12	1		
		IR1 *	ISDR 601	0	0	4	2		84.57	44.87		FN0020/13	1		
		IR OF 7 CHAN SET(3 EVENTS)													
22B109/044	07:36 04	SINGLE	187.5/260.0	10	.12	14/3	1	4	REC/UH	16K	-8	95.8/26.7	331/-18	293/01:26:40	02:10.1
		SURV	ISDR 607	605	2	0	0		105.19	55.20		FN0020/14	1		
		SURVEY OF 7 CHAN SET(3 EVENTS)													
22B111/044	10:29 59	SINGLE	285.0/290.0	-10	.12	14/3	1	4	REC/UH	16K	0	138.5/51.9	7/-45	293/04:20:35	00:10.1
		SURV	SDR 44	43	1	0	0		79.24	49.03		FN0020/15	1		
		SEVEN CHANNEL RTC (SURVEY)													
22B112/044	10:32.59	COLOR	285.0/290.0	-10	.12	1/1	1	4	REC/UH	16K	0	139.5/52.2	8/-45	293/04:23:35	00:27.9
		BLU	SDR 42	0	0	1	1		75.94	52.25		FN0020/16	1		
		GRN	SDR 41	0	0	2	1		78.09	52.96		FN0020/17	1		
		RED	SDR 41	0	0	2	1		84.01	52.49		FN0020/18	1		
		COLOR OF 7 CHAN SET(3 EVENTS)													
22B113/044	10:35 59	IR	285.0/290.0	-10	.12	9/1	1	4	REC/UH	16K	0	140.6/52.5	9/-46	293/04:26:35	00:27.9
		IR3	SDR 41	0	0	2	1		67.12	37.93		FN0020/19	1		
		IR2	SDR 41	0	0	2	1		65.01	36.59		FN0020/20	1		
		IR1	SDR 40	0	0	3	1		68.22	39.48		FN0020/21	1		
		IR OF 7 CHAN SET(3 EVENTS)													
22B114/044	11.23.19	SINGLE	140.0/162.5	-50	.04	3/2	1	4	RT/UH	16K	2	158.5/56.4	24/-51	293/05:13:55	1.50.0
		RED *	ISDR 514	0	0	50	1		84.46	38.88		FN0020/22	1		
		HI-RES COLOR COMPOSITE (R)													
22B115/044	11 58 41	SINGLE	75.0/145.0	-30	.04	3/2	1	4	RT/UH	16K	2	173.5/57.8	37/-55	293/05.49:17	06.08.0
		RED *	ISDR 1829	1751	79	1	1		130.68	37.56		FN0020/23	3		
		HI-RES COLOR MOSAIC (RED)													
22B116/045	10:11 39	SINGLE	117.5/127.5	-30	.04	13/2	1	4	REC/UH	16K	-2	132.8/49.6	3/-42	294/04.41:50	00:54.5
		BB3 *	SDR 252	251	1	0	0		77.35	37.43		FN0020/24	1		
		SSCA CONTACT WITH ROCK													
22B117/045	10.14 54	SINGLE	117.5/127.5	-30	.04	13/2	1	4	REC/UH	16K	-2	133.8/50.0	4/-43	294/04:45:05	00:54.5
		BB3 *	SDR 252	251	1	0	0		81.61	36.55		FN0020/25	1		
		ROCK AFTER PUSH													
22B118/045	10:23 19	SINGLE	22.5/ 32.5	-20	.04	0/2	1	4	REC/UH	16K	-2	136.5/51.0	6/-44	294/04:53:30	00:54.5
		BB2 *	ISDR 252	251	1	0	0		123.80	34.63		FN0020/26	1		
		COLLECTOR HEAD-CONTACT W/NOTCH													

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
21B119/045	10:25 19	SINGLE	210 0/220 0	-30	.04	0/2	1	4	REC/UH	16K	6	137.1/51.2	182/-44	294/04:55:30	00:54.5	
		BB2 *	SDR 252	251	1	0	0		109.01	46.34		FN0020/27	1			
		STEREO TO 22B118														
22B120/045	10.29·59	SINGLE	22 5/ 32 5	-20	.04	0/2	1	4	REC/UH	16K	0	138.7/51.7	8/-45	294/05:00:10	00:54.5	
		BB2 *	SDR 252	251	1	0	0		120.82	38.29		FN0020/28	1			
		NOTCH ROCK-BOOM REMOVED														
21B121/045	10:32·59	SINGLE	210.0/220.0	-30	.04	0/2	1	4	REC/UH	16K	6	139.7/52.1	184/-45	294/05:03:10	00:54.5	
		BB2 *	ISDR 247	0	0	4	1		110.08	45.00		FN0020/29	1			
		STEREO TO 22B120														
22B122/045	11:19 22	SINGLE	140.0/162.5	-50	.04	2/2	1	4	RT/UH	16K	2	157.0/56 0	23/-51	294/05·49:34	1:50.0	
		GRN *	ISDR 514	0	0	50	1		66.15	27 88		FN0020/30	1			
		HI-RES COLOR COMPOSITE (G)														
22B123/045	11:54 45	SINGLE	75 0/145 0	-30	.04	2/2	1	4	RT/UH	16K	2	171.9/57.6	35/-54	294/06·24·56	06:08.0	
		GRN *	ISDR 1819	1751	68	0	0		104.65	37.16		FN0020/31	3			
		HI-RES COLOR MOSAIC		(GRN)												
21B124/045	19:04.59	COLOR	122 5/180 0	0	.12	1/1	1	1	REC/UH	16K	8	287.9/ 4.9	339/-13	294/13:35:10	05:07.8	
		BLU	ISDR 478	0	0	2	1		114 25	33.49		FN0020/32	1			
		GRN *	ISDR 477	0	0	3	2		119 19	33 17		FN0020/33	1			
		RED	ISDR 477	0	0	3	1		130.14	37.53		FN0020/34	1			
		LATE AFTERNOON COLOR MOSAIC														
22B126/046	09:59.59	COLOR	75.0/140.0	-30	.12	1/1	1	4	REC/UH	16K	-4	129.4/48.1	0/-41	295/05·09·46	05:47.8	
		BLU *	ISDR 541	0	0	2	1		76 16	41 72		FN0021/01	1			
		GRN *	ISDR 541	0	0	2	1		85.21	42 49		FN0021/02	1			
		RED *	ISDR 540	0	0	3	1		105.99	43.46		FN0021/03	1			
		7-CHANNEL MOSAIC		(COLOR)												
22B127/046	10:06·59	IR	75 0/140.0	-30	.12	9/1	1	4	REC/UH	16K	-2	131.5/49.0	2/-42	295/05·16:46	05:47.8	
		IR3	ISDR 542	0	0	1	1		82.93	32.41		FN0021/04	1			
		IR2	ISDR 542	0	0	1	1		80.11	31.59		FN0021/05	1			
		IR1 *	ISDR 542	0	0	1	1		87.55	32.96		FN0021/06	1			
		IR OF 7 CHAN SET(3 EVENTS)														
22B128/046	10:13.59	SINGLE	75.0/140 0	-30	.12	14/3	1	4	REC/UH	16K	0	133.7/49.8	4/-43	295/05:23.46	01:56.7	
		SURV	ISDR 544	543	1	0	0		100.19	41.57		FN0021/07	1			
		SURVEY OF 7 CHAN SET(3 EVENTS)														
22B129/046	10.29.59	SINGLE	285.0/290.0	-10	.12	14/3	1	4	REC/UH	16K	2	136.9/51.6	8/-45	295/05:39.46	00:10.1	
		SURV	ISDR 44	43	1	0	0		78.86	48.86		FN0021/08	1			
		7-CHANNEL RTC (SURVEY)														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
22B130/046	10.32 59	COLOR	285 0/290 0	-10	.12	1/1	1	4	REC/UH	16K	2	139 9/51.9	9/-45	295/05 42·46	00.27.9	
		BLU	ISDR 42	0	0	1	1		76.90	53.51		FN0021/09	1			
		GRN	ISDR 42	0	0	1	1		78.46	53 07		FN0021/10	1			
		RED	ISDR 42	0	0	1	1		84.36	52 56		FN0021/11	1			
		COLOR OF 7 CHAN SET(3 EVENTS)														
22B131/046	10:35 59	IR	285 0/290.0	-10	.12	9/1	1	4	REC/UH	16K	2	140 9/52.2	10/-45	295/05·45:46	00:27.9	
		IR3	ISDR 42	0	0	1	1		67 57	38 21		FN0021/12	1			
		IR2	ISDR 42	0	0	1	1		65.65	36.93		FN0021/13	1			
		IR1	ISDR 42	0	0	1	1		38.55	39.79		FN0021/14	1			
		IR OF 7 CHAN SET(3 EVENTS)														
22B132/046	11.15·36	SINGLE	140 0/162 5	-50	.04	1/2	1	4	RT/UH	16K	4	155.6/55.6	22/-50	295/06 25·23	1.50.0	
		BLU *	SDR 514	0	0	50	1		58 19	21 68		FN0021/15	1			
		HI-RES COLOR COMPOSITE (8)														
22B133/046	11.50.59	SINGLE	75 0/145 0	-30	.04	1/2	1	4	RT/UH	16K	4	170.4/57.3	34/-54	295/07 00·46	06.08.0	
		BLU *	ISDR 1418	0	0	333	1		89.18	28 67		FN0021/16	3			
		HI-RES COLOR MOSAIC (BLU)														
22B134/046	13:20 49	COLOR	40.0/ 50 0	-10	.12	1/1	1	4	REC/UH	16K	6	208.4/54.9	71/-57	295/08·30·36	00.54.5	
		BLU *	SDR 83	0	0	1	1		104.19	30 33		FN0021/17	1			
		GRN *	SDR 83	0	0	1	1		111 50	30 70		FN0021/18	1			
		RED *	SDR 83	0	0	1	1		128.16	35 39		FN0021/19	1			
		7-CHANNEL OF MAGNET (COLOR)														
22B135/046	13:22 49	IR	40.0/ 50 0	-10	.12	9/1	1	4	REC/UH	16K	6	209 2/54.7	72/-56	295/08 32:36	00:54.5	
		IR3	SDR 82	0	0	2	2		99 11	27 61		FN0021/20	1			
		IR2	SDR 83	0	0	1	1		94.42	25.86		FN0021/21	1			
		IR1 *	SDR 83	0	0	1	1		100.26	27.24		FN0021/22	1			
		IR OF ABOVE														
22B136/046	13:24 49	SINGLE	40.0/ 50.0	-10	.12	14/3	1	4	REC/UH	16K	6	209.9/54 6	73/-56	295/08:34:36	00:19.0	
		SURV	SDR 86	84	2	0	0		118.00	32.23		FN0021/23	1			
		SURVEY OF ABOVE														
22B137/046	14:13 1'	SINGLE	305.0/335 0	-30	.12	14/3	1	4	REC/UH	16K	8	226.6/49.6	93/-54	295/09.22.58	00.54.5	
		SURV	SDR 252	251	1	0	0		51.52	41.94		FN0021/24	1			
		COLLECTOR HEAD OVER XRFS														
21B138/047	06 59 59	SINGLE	227.5/237.5	-30	.04	0/2	1	4	REC/UH	16K	-8	89.6/20.6	141/-12	296/02:49:21	00:54.5	
		BB2 *	ISDR 254	251	3	0	0		44.00	25.85		FN0021/25	1			
		SAMPLE TRENCH														
22B139/047	07:04 59	SINGLE	37.5/ 47.5	-20	.04	0/2	1	4	REC/UH	16K	-13	90.5/21.4	326/-13	296/02.54:21	00:54.5	
		BB2 *	ISDR 246	0	0	5	2		58.42	36.74		FN0021/26	1			
		STEREO TO 21B138														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
21B140/047	11.09.08	SINGLE	170 0/225 0	-30	.04	3/2	1	4	RT/UH	16K	6	153.3/55.0	196/-49	296/06:58:30	04:59.0	
		RED *	ISDR 1401	1376	25	0	0		127.56	41 30		FN0021/27	2			
		HI-RES COLOR MOSAIC		(RED)												
21B141/047	11:45:50	SINGLE	225.0/280.0	-30	.04	3/2	1	4	RT/UH	16K	8	168.3/57.0	208/-53	296/07:35:11	04:50.0	
		RED *	ISDR 1356	0	0	20	3		131.42	29.10		FN0021/28	2			
		HI-RES COLOR MOSAIC		(RED)												
22B142/047	12:29.59	COLOR	7 5/ 72 5	-20	.12	1/1	1	3	REC/UH	16K	4	187.4/57.3	50/-56	296/08:19.21	05:47.8	
		BLU *	ISDR 542	0	0	1	1		164.78	54.70		FN0021/29	1			
		GRN *	ISDR 541	0	0	2	1		173.24	61.18		FN0021/30	1			
		RED *	ISDR 541	0	0	2	1		144.82	64.87		FN0021/31	1			
		7-CHANNEL MOSAIC		(COLOR)												
22B143/047	12:39.59	IR	7.5/ 72.5	-20	.12	9/1	1	3	REC/UH	16K	4	191.7/57.0	54/-56	296/08:29:21	05:47.8	
		IR3	ISDR 540	0	0	3	1		170.73	58.12		FN0021/32	1			
		IR2	ISDR 540	0	0	3	1		168.92	56.88		FN0021/33	1			
		IR1 *	ISDR 540	0	0	3	1		169.66	60.79		FN0021/34	1			
		IR OF 7 CHAN SET(3 EVENTS)														
22B144/047	12:49:59	SINGLE	7.5/ 72.5	-20	.12	14/3	1	3	REC/UH	16K	6	196.0/56.6	58/-56	296/08:39:21	01:56.7	
		SURV	ISDR 541	0	0	2	1		160.42	63.85		FN0021/35	1			
		SURVEY OF 7 CHAN SET(3 EVENTS)														
22B145/047	12:51.55	SINGLE	170.0/170.0	0		15/7	1	2	REC/UH	16K	6	/	/	296/08:41:17	0:18.0	
		CAL	SDR 61	0	0	0	0		00	.00		FN0021/36	1			
		CALIBRATION														
22B146/047	13:20.49	SINGLE	40 0/ 50.0	0	.04	0/2	1	4	REC/UH	16K	8	208.3/54.7	71/-56	296/09:10:11	00:54.5	
		BB2	ISDR 254	251	3	0	0		120.70	41.62		FN0021/37	1			
		IMAGE OF MAGNET														
22B147/047	14:13.10	SINGLE	305.0/335.0	-30	.12	14/3	1	4	REC/UH	16K	8	226.5/49.5	93/-54	296/10:02:32	00:54.5	
		SURV	ISDR 253	251	2	0	0		53.07	43.30		FN0021/38	1			
		COLLECTOR HEAD OVER XRFS FUNN.														
21B148/048	06.11:59	SINGLE	227.5/237.5	-30	.04	0/2	1	4	REC/UH	16K	-12	81.3/12.7	132/ -4	297/02:40:56	00:54.5	
		BB2 *	ISDR 252	251	1	0	0		37.43	18.90		FN0022/01	1			
		SAMPLE SITE														
22B149/048	06:13.59	SINGLE	37 5/ 47 5	-20	.04	0/2	1	4	REC/UH	16K	-15	81.6/13.0	317/ -5	297/02:42:56	00:54.5	
		BB2 *	ISDR 252	251	1	0	0		35.25	14.82		FN0022/02	1			
		STEREO TO 21B148														
22B151/048	10:29:59	SINGLE	285.0/290.0	-10	.12	14/3	1	4	REC/UH	16K	-2	139.2/51.3	8/-44	297/06:58:56	00:11.4	
		SURV	SDR 50	43	7	0	0		78.15	48.01		FN0022/03	1			
		7-CHANNEL OF RTC (SURVEY)														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
22B152/048	10:31.59	COLOR	285.0/290.0	-10	.12	1/1	1	4	REC/UH	16K	-2	139 9/51.5	9/-45	297/07:00:56	00:29.2	
		BLU	SDR 44	44	1	0	0		75.13	50.69		FN0022/04	1			
		GRN	SDR 42	44	1	2	2		77.10	51 32		FN0022/05	1			
		RED	SDR 43	44	1	1	1		82.61	51.36		FN0022/06	1			
		COLOR OF 7 CHAN SET(3 EVENTS)														
22B153/048	10:34 59	IR	285 0/290.0	-10	.12	9/1	1	4	REC/UH	16K	-2	140 9/51.8	10/-45	297/07:03:56	00:29.2	
		IR3	ISDR 44	44	1	0	0		65.80	36.77		FN0022/07	1			
		IR2	ISDR 44	44	1	0	0		64.01	35 55		FN0022/08	1			
		IR1	ISDR 44	44	1	0	0		67.64	39 02		FN0022/09	1			
		IR OF 7 CHAN SET(3 EVENTS)														
21B154/048	11·04 47	SINGLE	170.0/225 0	-30	.04	1/2	1	4	RT/UH	16K	6	151.7/54.5	194/-49	297/07:33:44	04:59.0	
		BLU *	ISDR 1401	1376	25	0	0		121.24	38.95		FN0022/10	2			
		HI-RES COLOR MOSAIC		(BLU)												
21B155/048	11.41·29	SINGLE	225.0/280 0	-30	.04	1/2	1	4	RT/UH	16K	8	166 6/56 7	207/-53	297/08:10:26	04:50.0	
		BLU *	ISDR 1358	0	0	18	1		104.66	22.20		FN0022/11	2			
		HI-RES COLOR MOSAIC		(BLU)												
22B156/048	12.29 59	COLOR	140.0/182.5	-30	.12	1/1	1	3	REC/UH	16K	4	187.5/57.1	50/-56	297/08:58:56	03:49.1	
		BLU *	ISDR 356	356	1	0	0		118.31	52 33		FN0022/12	1			
		GRN *	ISDR 355	356	1	1	1		130.24	59.90		FN0022/13	1			
		RED *	ISDR 356	356	1	0	0		136.03	66.08		FN0022/14	1			
		7-CHANNEL MOSAIC		(COLOR)												
22B157/048	12:39 59	IR	140 0/182.5	-30	.12	9/1	1	3	REC/UH	16K	4	191 8/56.8	54/-56	297/09:08:56	03:49.1	
		IR3	ISDR 356	356	1	0	0		132.57	59 65		FN0022/15	1			
		IR2	ISDR 356	356	1	·0	0		128.71	58 67		FN0022/16	1			
		IR1 *	ISDR 356	356	1	0	0		133.81	62 64		FN0022/17	1			
		IR OF 7 CHAN SET(3 EVENTS)														
22B158/048	12.49 59	SINGLE	140 0/182 5	-30	.12	14/3	1	3	REC/UH	16K	6	196.0/56.4	58/-56	297/09:18:56	01:18.0	
		SURV	SDR 363	355	8	0	0		140.22	67.01		FN0022/18	1			
		SURVEY OF 7 CHAN SET(3 EVENTS)														
22B159/048	12 51.17	SINGLE	170 0/170.0	0		15/7	1	2	REC/UH	16K	6	/	/	297/09:20:14	0:18.0	
		CAL	SDR 61	0	0	0	0		.00	.00		FN0022/19	1			
		CALIBRATION														
21B160/048	18.01·02	SINGLE	147.5/150.0	30	.04	4/2	1	3	REC/UH	16K	10	276.5/14.6	327/-22	297/14:29:59	00:15.8	D
		SUN	SDR 69	64	5	0	0		34.97	26.96		FN0022/20	1			
		SOLAR EXTINCTION														
21B161/048	18.42 29	SINGLE	155.0/157.5	20	.04	4/2	1	2	REC/UH	16K	10	283.7/ 8.0	335/-16	297/15:11:26	00:15.8	
		SUN	SDR 69	64	5	0	0		34.33	4.83		FN0022/21	1			
		SOLAR EXTINCTION														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
22B162/048	22:46.02	SINGLE BLU PHOBOS	280 0/285 0 SDR	20 126	.04 6	1/2 0	1 0	1	REC/UH 70.07	16K 5.26	-8	332.7/-22 FN0022/22	205/ 18 1	297/19:14 59	00:29.2	
22B163/048	22:47.34	SINGLE RED PHOBOS	277.5/282 5 ISDR	20 126	.04 6	3/2 0	1 0	0	REC/UH 138.85	16K 3 67	-8	333.1/-23 FN0022/23	205/ 18 1	297/19:16:31	00:29.2	
22B164/048	22.49 09	SINGLE IR2 PHOBOS	277.5/282.5 ISDR	20 126	.04 6	10/2 0	1 0	0	REC/UH 140.97	16K 9.67	-8	333 5/-23 FN0022/24	206/ 18 1	297/19:18:06	00:29.2	
22B165/048	22.50 41	SINGLE GRN PHOBOS	277.5/282.5 SDR	20 126	.04 6	2/2 0	1 0	1	REC/UH 69.08	16K 5.02	-6	333 9/-23 FN0022/25	206/ 18 1	297/19.19:38	00.29.2	
22B166/048	22:52.13	SINGLE IR1 PHOBOS	275.0/280.0 ISDR	20 126	.04 6	11/2 0	1 0	0	REC/UH 142.54	16K 5 67	-8	334 2/-23 FN0022/26	206/ 18 1	297/19:21:10	00:29.2	
22B167/048	22·53 45	SINGLE IR3 PHOBOS	275.0/280 0 ISDR	20 126	.04 6	9/2 0	1 0	0	REC/UH 140.75	16K 8.49	-8	334.6/-23 FN0022/27	207/ 18 1	297/19:22.42	00.29.2	
22B168/048	22:55 17	SINGLE SURV PHOBOS	275.0/280.0 SDR	20 126	.04 6	14/2 0	1 0	0	REC/UH 141.23	16K 2.91	-6	335 0/-23 FN0022/28	207/ 19 1	297/19:24:14	00:29.2	
22B169/048	23.16 25	SINGLE BLU PHOBOS	260.0/265 0 SDR	30 126	.04 6	1/2 0	1 0	1	REC/UH 70.32	16K 5.34	-8	340.3/-24 FN0022/29	212/ 20 1	297/19:45:22	00.29.2	
22B170/048	23.17·57	SINGLE RED PHOBOS	260.0/265 0 ISDR	30 126	.04 3	3/2 1	1 1	1	REC/UH 70.49	16K 1 94	-8	340.6/-25 FN0022/30	212/ 21 1	297/19:46:54	00·29 2	
22B171/048	23:19.29	SINGLE IR2 PHOBOS	257.5/262.5 SDR	30 126	.04 7	10/2 0	1 0	1	REC/UH 69.87	16K 4.45	-8	341.0/-25 FN0022/31	213/ 21 1	297/19:48:26	00:29.2	
22B172/048	23:40 47	SINGLE GRN PHOBOS	245.0/250.0 SDR	30 126	.04 7	2/2 0	1 0	1	REC/UH 67.70	16K 4 84	-8	346.5/-26 FN0022/32	218/ 22 1	297/20:09:44	00:29 2	
22B173/048	23:42 19	SINGLE IR1 PHOBOS	242.5/247 5 ISDR	30 126	.04 7	11/2 0	1 0	1	REC/UH 69.39	16K 3.02	-8	346.9/-26 FN0022/33	218/ 23 1	297/20:11:16	00:29.2	

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
22B174/048	23:43.51	SINGLE	242.5/247.5	30	.04	9/2	1	1	REC/UH	16K	-8	347.3/-26	218/ 23	297/20:12:48	00:29.2	
		IR3	SDR 133	126	7	0	0		68.19	4.32		FN0022/34	1			
		PHOBOS														
22B175/048	23:45.23	SINGLE	242 5/247.5	30	.04	14/2	1	1	REC/UH	16K	-8	347.7/-26	219/ 23	297/20.14:20	00:29.2	
		SURV	ISDR 133	126	7	0	0		71.00	1.18		FN0022/35	1			
		PHOBOS														
22B176/048	23:46 55	SINGLE	240.0/245 0	30	.04	1/2	1	2	REC/UH	16K	-8	348 1/-26	219/ 23	297/20:15:52	00:29.2	
		BLU	SDR 133	126	7	0	0		34.08	3.08		FN0022/36	1			
		PHOBOS														
22B177/048	23.48 27	SINGLE	240.0/245.0	30	.04	3/2	1	1	REC/UH	16K	-8	348 5/-26	220/ 23	297/20:17.24	00:29.2	
		RED	SDR 134	126	8	0	0		69.24	2 35		FN0022/37	1			
		PHOBOS														
22B178/048	23:49·59	SINGLE	237.5/242.5	30	.04	10/2	1	1	REC/UH	16K	-8	348.9/-26	220/ 23	297/20:18:56	00:29.2	
		IR2	SDR 134	126	8	0	0		71.12	4.42		FN0022/38	1			
		PHOBOS														
22B179/048	23:50 28	SINGLE	170.0/170.0	0		15/7	1	2	REC/UH	16K	-8	/	/	297/20:19.25	0:18.0	
		CAL	SDR 61	0	0	0	0		.00	.00		FN0022/39	1			
		CALIBRATION														
22B180/049	10.29 59	SINGLE	285 0/290.0	-10	.12	14/3	1	4	REC/UH	16K	-2	139.4/51 2	8/-44	298/07:38:31	00:11.4	
		SURV	SDR 50	43	7	0	0		77.28	47.35		FN0023/01	1			
		7-CHANNEL OF TEST CHART (SUR)														
22B181/049	10:31 59	COLOR	285 0/290.0	-10	.12	1/1	1	4	REC/UH	16K	-2	140.1/51.4	9/-45	298/07:40.31	00:29.2	
		BLU	SDR 44	44	1	0	0		74 18	49.14		FN0023/02	1			
		GRN	SDR 43	44	1	1	1		76.29	50 19		FN0023/03	1			
		RED	SDR 43	44	1	1	1		81.74	50.72		FN0023/04	1			
		COLOR OF 7 CHAN SET(3 EVENTS)														
22B182/049	10·34 59	IR	285 0/290 0	-10	.12	9/1	1	4	REC/UH	16K	-2	141.1/51.7	10/-45	298/07:43·31	00:29.2	
		IR3	SDR 44	44	1	0	0		65.03	36 12		FN0023/05	1			
		IR2	SDR 43	44	1	1	1		63 21	35 01		FN0023/06	1			
		IR1	SDR 43	44	1	1	1		66.40	38.04		FN0023/07	1			
		IR OF 7 CHAN SET(3 EVENTS)														
21B183/049	11:00 18	SINGLE	170 0/225.0	-30	.04	2/2	1	4	RT/UH	16K	4	150 2/54.0	193/-48	298/08:08:51	04.59.0	
		GRN *	ISDR 1401	1376	25	0	0		130.38	39.85		FN0023/08	2			
		HI-RES COLOR MOSAIC		(GRN)												
21B184/049	11:37.00	SINGLE	225 0/280.0	-30	.04	2/2	1	4	RT/UH	16K	6	164.8/56.3	205/-52	298/08:45.32	04·50.0	
		GRN *	ISDR 1360	0	0	16	1		116.32	26.07		FN0023/09	2			
		HI-RES COLOR MOSAIC		(GRN)												

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
22B185/049	12:29.59	COLOR	182.5/265.0	0	.12	1/1	1	3	REC/UH	16K	4	187.5/56.9	50/-56	298/09:38:31	07:22.5	
		BLU *	ISDR 690	690	1	0	0		129.30	54 07		FN0023/10	1			
		GRN *	ISDR 689	690	1	1	1		155.59	59.73		FN0023/11	1			
		RED *	ISDR 689	690	1	1	1		163.65	47.39		FN0023/12	1			
		7-CHANNEL MOSAIC		(COLOR)												
22B186/049	12:39.59	IR	182.5/265.0	0	.12	9/1	1	3	REC/UH	16K	6	191.8/56.6	54/-56	298/09:48:31	07:22.5	
		IR3	ISDR 687	0	0	2	2		154.81	47.68		FN0023/13	1			
		IR2	ISDR 688	0	0	1	1		155.15	50.24		FN0023/14	1			
		IR1 *	ISDR 688	0	0	1	1		156.04	50.67		FN0023/15	1			
		IR OF 7 CHAN SET(3 EVENTS)														
22B187/049	12:49 59	SINGLE	182.5/265.0	0	.12	14/3	1	3	REC/UH	16K	8	196.0/56.2	58/-56	298/09:58:31	02.29.1	
		SURV	ISDR 696	689	7	0	0		167.54	50.33		FN0023/16	1			
		SURVEY OF 7 CHAN SET(3 EVENTS)														
22B188/049	12:52 28	SINGLE	170.0/170.0	0		7/7	1	2	REC/UH	16K	8	/	/	298/10:01:00	0:18.0	
		CAL	SDR 58	0	0	0	0		.00	.00		FN0023/17	1			
		CALIBRATION														
22B190/050	10:30 00	SINGLE	285.0/290 0	-10	.12	14/3	1	4	REC/UH	16K	-2	139.6/51.0	9/-44	299/08:18.07	00:11.4	
		SURV	SDR 50	43	7	0	0		76.68	46 81		FN0023/18	1			
		7-CHANNEL OF RTC (SURVEY)														
22B191/050	10:32.00	COLOR	285.0/290.0	-10	.12	1/1	1	4	REC/UH	16K	-2	140.3/51.3	9/-44	299/08:20:07	00:29.2	
		BLU	ISDR 44	44	1	0	0		73.79	48.83		FN0023/19	1			
		GRN	ISDR 44	44	1	0	0		75.93	49 72		FN0023/20	1			
		RED	ISDR 44	44	1	0	0		81.89	50.39		FN0023/21	1			
		COLOR OF 7 CHAN SET(3 EVENTS)														
22B192/050	10:35.00	IR	285.0/290.0	-10	.12	9/1	1	4	REC/UH	16K	-2	141.3/51.6	10/-45	299/08:23:07	00.29.2	
		IR3	ISDR 44	44	1	0	0		64.71	35.83		FN0023/22	1			
		IR2	ISDR 43	44	1	1	1		62.89	34.66		FN0023/23	1			
		IR1	ISDR 43	44	1	1	1		66.04	37.74		FN0023/24	1			
		IR OF 7 CHAN SET(3 EVENTS)														
22B193/050	10:55 45	SINGLE	135 0/190.0	-30	.04	3/2	1	4	RT/UH	16K	0	148.7/53.5	16/-47	299/08:43:53	04:59.0	
		RED *	ISDR 1401	1376	25	0	0		86.28	40.00		FN0023/25	2			
		HI-RES COLOR MOSAIC		(RED)												
21B194/050	11:32.27	SINGLE	270.0/340.0	-30	.04	3/2	1	4	RT/UH	16K	8	163.0/56.0	204/-51	299/09:20:34	04:50.0	
		RED *	ISDR 1325	0	0	426	3		92.39	46.73		FN0023/26	3			
		HI-RES COLOR MOSAIC		(RED)												
21B195/050	17:30.00	SINGLE	177.5/237.5	-30	.04	0/2	1	4	REC/UH	16K	10	270.8/19.4	321/-27	299/15:18:07	05:22.5	
		BB2 *	ISDR 1510	1501	9	0	0		52.10	31.10		FN0023/27	2			
		EVENING HI-RES MOSAIC														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
22B196/051	06:32:19	IR	22.5/ 32.5	-20	.12	9/1	1	4	REC/UH	16K	-15	85.3/15.7	320/ -7	300/05:00:02	00:55.8	
		IR3	ISDR 86	85	11	9	1		42.71	20.48		FN0024/01	1			
		IR2	ISDR 86	85	11	9	1		41.90	19.45		FN0024/02	1			
		IR1	ISDR 94	85	11	1	1		50.79	35.10		FN0024/03	1			
		IR OF NOTCH ROCK AFTER PUSH														
22B197/051	06:33:59	COLOR	22.5/ 32.5	-20	.12	1/1	1	4	REC/UH	16K	-15	85 6/15.9	321/ -7	300/05:01:42	00:55.8	
		BLU	ISDR 86	85	2	0	0		50.44	30.68		FN0024/04	1			
		GRN	ISDR 85	85	2	1	1		51.77	29.36		FN0024/05	1			
		RED	ISDR 85	85	2	1	1		54.13	26.83		FN0024/06	1			
		COLOR OF NOTCH ROCK AFTER PUSH														
21B198/051	06:35.59	SINGLE	210 0/220 0	-30	.04	0/2	1	4	REC/UH	16K	-12	86.0/16.3	137/ -8	300/05:03:42	00:55.8	
		BB2 *	ISDR 259	251	8	0	0		41.10	22.05		FN0024/07	1			
		HI-RES OF NOTCH ROCK AFT. PUSH														
22B199/051	06:37.59	SINGLE	22.5/ 32.5	-20	.04	0/2	1	4	REC/UH	16K	-15	86 3/16.6	321/ -8	300/05:05:42	00.55.8	
		BB2 *	ISDR 259	251	8	0	0		45.69	21.44		FN0024/08	1			
		STEREO TO 21B198														
21B200/051	06·50.59	SINGLE	210.0/220.0	-30	.04	0/2	1	4	REC/UH	16K	-10	88.6/18.7	140/-10	300/05:18:42	00·55.8	
		BB2 *	ISDR 257	251	6	0	0		44.03	23.23		FN0024/09	1			
		SSCA-CONTACT W/SURF. BEF. DIG														
21B201/051	06.57·00	SINGLE	210 0/220 0	-30	.04	0/2	1	4	REC/UH	16K	-10	89 7/19.7	141/-11	300/05:24:43	00.55.8	
		BB2 *	ISDR 257	251	6	0	0		45 84	24.78		FN0024/10	1			
		SSCA AT FULL EXTENSION														
21B202/051	07:13.51	SINGLE	7 5/ 37 5	-20	.12	14/3	1	4	REC/UH	16K	-8	92 8/22.4	144/-14	300/05:41.34	00:55.8	
		SURV	ISDR 257	251	6	0	0		72.16	61.28		FN0024/11	1			
		SSCA OVER PDA														
21B203/051	09·05.26	SINGLE	290.0/300.0	-30	.04	0/2	1	4	REC/UH	16K	-2	115 8/40.0	165/-32	300/07:33:09	00:55.8	
		BB2 *	SDR 258	251	7	0	0		59.69	31.92		FN0024/12	1			
		BACKHOE/PURGE SITE														
21B204/051	10:24.59	SINGLE	210.0/220.0	-30	.04	0/2	1	4	REC/UH	16K	2	138.1/50.4	183/-43	300/08:52:42	00:55.8	
		BB2 *	SDR 258	251	7	0	0		133.38	28.13		FN0024/13	1			
		HI-RES OF TRENCH														
22B205/051	10·26:59	SINGLE	22.5/ 32.5	-20	.04	0/2	1	4	REC/UH	16K	-2	138 8/50 6	8/-44	300/08:54:42	00:55.8	
		BB2 *	SDR 259	251	8	0	0		142,90	29.00		FN0024/14	1			
		STEREO TO 21B204														
22B206/051	10.29·59	IR	285.0/290.0	-10	.12	9/1	1	4	REC/UH	16K	-2	139.8/50.9	9/-44	300/08:57:42	00:29.2	
		IR3	SDR 44	44	1	0	0		64.13	35.53		FN0024/15	1			
		IR2	SDR 44	44	1	0	0		62.56	34.25		FN0024/16	1			
		IR1	SDR 43	44	1	1	1		65.44	37.37		FN0024/17	1			
		IR OF RTC														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN	RESCAN TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
22B207/051	10:34 59	COLOR	285.0/290.0	-10	.12	1/1	1	4	REC/UH	16K	0	141.5/51.4	10/-45	300/09:02:42	00:29.2	
		BLU	SDR 44	44	1	0	0		73.84	49 00		FN0024/18	1			
		GRN	SDR 44	44	1	0	0		75.75	49 93		FN0024/19	1			
		RED	SDR 43	44	1	1	1		80.66	50.41		FN0024/20	1			
		COLOR OF RTC														
22B208/051	10:35:28	SINGLE	170.0/170 0	0		15/7	1	2	REC/UH	16K	0	/	/	300/09:03:11	0:18.0	
		CAL	SDR 61	0	0	0	0		.00	.00		FN0024/21	1			
		CALIBRATION														
22B209/051	10:50.55	SINGLE	135.0/190.0	-30	.04	2/2	1	4	RT/UH	16K	0	147 1/52 9	15/-47	300/09:18:38	04:59.0	
		GRN *	ISDR 1401	1376	25	0	0		74.36	32.77		FN0024/22	2			
		HI-RES COLOR MOSAIC		(GRN)												
21B210/051	11:27:37	SINGLE	270 0/340.0	-30	.04	2/2	1	4	RT/UH	16K	10	161.2/55.6	202/-51	300/09.55:19	04.50.0	
		GRN *	ISDR 1539	0	0	212	1		92.27	48.73		FN0024/23	3			
		HI-RES COLOR MOSAIC		(GRN)												
22B211/051	17:20:00	SINGLE	265 0/305.0	-20	.04	5/2	1	4	REC/UH	16K	4	268.9/20 9	143/-29	300/15.47:42	03.35.8	
		BB4 *	ISDR 1008	1001	7	0	0		52.93	29.84		FN0024/24	2			
		EVENING HI-RES MOSAIC		-GORES												
22B212/051	17:25:00	SINGLE	7.5/ 17.5	-30	.04	8/2	1	4	REC/UH	16K	4	269.8/20.0	144/-28	300/15.52:42	00:55.8	
		BB1 *	ISDR 259	251	8	0	0		45.24	28.70		FN0024/25	1			
		EVENING HI-RES MOSAIC		-GORES												
21B213/051	17:30:00	SINGLE	50 0/ 65.0	0	.04	5/2	1	4	REC/UH	16K	8	270.7/19.2	321/-27	300/15:57:42	01.22.5	
		BB4 *	ISDR 383	376	7	0	0		94.24	45.13		FN0024/26	1			
		EVENING HI-RES MOSAIC		-GORES												
21B214/051	17:35 00	SINGLE	305.0/335 0	-30	.04	0/2	1	3	REC/UH	16K	8	271 6/18.4	322/-26	300/16.02:42	02 42.5	
		BB2 *	ISDR 754	751	3	0	0		82.52	50.33		FN0024/27	1			
		EVENING HI-RES MOSAIC		-GORES												
22B215/051	17:45.00	SINGLE	45.0/165 0	-50	.04	8/2	1	3	REC/UH	16K	6	273.4/16 8	148/-25	300/16:12:42	10:42.4	
		BB1 *	ISDR 3004	3001	3	0	0		54.04	39.49		FN0024/28	4			
		EVENING HI-RES COMPOSITE														
21B216/052	10:45:56	SINGLE	280.0/335 0	-10	.04	1/2	1	4	RT/UH	16K	2	145.5/52 3	189/-46	301/09:53:14	04.59.0	
		BLU *	ISDR 1401	1376	25	0	0		76.71	47 09		FN0025/01	2			
		HI-RES COLOR MOSAIC		(BLU)												
21B217/052	11:22.37	SINGLE	235.0/290 0	-10	.04	1/2	1	4	RT/UH	16K	14	159.3/55.1	201/-50	301/10:29:55	04:50.0	
		BLU *	ISDR 1181	0	0	195	2		97.25	28.54		FN0025/02	2			
		HI-RES COLOR MOSAIC		(BLU)												

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
21B219/052	16.32.41	SINGLE	140 0/217 5	10	.12	14/3	1	5	REC/UH	16K	10	259 9/28.4	309/-36	301/15:39:59	02:20.3	
		SURV	ISDR 654	647	7	0	0		76.28	55.65		FN0025/03	1			
		7-CHANNEL SUNSET (SURVEY)														
21B220/052	16:36:41	COLOR	140 0/217.5	10	.12	1/1	1	5	REC/UH	16K	10	260.7/27.7	310/-35	301/15:43:59	06:55.8	
		BLU *	ISDR 646	0	0	1	1		80.48	60.39		FN0025/04	1			
		GRN *	ISDR 646	0	0	1	1		79.67	59 60		FN0025/05	1			
		RED *	ISDR 645	0	0	2	2		74.22	54.90		FN0025/06	1			
		COLOR OF ABOVE														
21B221/052	16.44:41	IR	140 0/217.5	10	.12	9/1	1	4	REC/UH	16K	12	262 2/26.4	312/-34	301/15:51:59	06:55.8	
		IR3	ISDR 647	0	0	0	0		78.99	56.99		FN0025/07	1			
		IR2	ISDR 647	0	0	0	0		79.16	57.09		FN0025/08	1			
		IR1 *	ISDR 647	0	0	0	0		82.00	57.23		FN0025/09	1			
		IR OF ABOVE														
21B222/052	16:52.41	SINGLE	132 5/137.5	30	.04	4/2	1	3	REC/UH	16K	14	263.7/25 1	313/-33	301/15.59:59	00:29.2	
		SUN	ISDR 132	126	6	0	0		30.65	16 52		FN0025/10	1			
		SOLAR EXTINCTION														
21B223/052	17:57.41	SINGLE	145 0/150 0	30	.04	4/2	1	3	REC/UH	16K	12	275 5/14.6	326/-22	301/17:04:59	00:29.2	
		SUN	ISDR 132	126	6	0	0		33.03	18 51		FN0025/11	1			
		SOLAR EXTINCTION														
21B224/052	18.42 41	SINGLE	152 5/157.5	20	.04	4/2	1	2	REC/UH	16K	10	283.4/ 7.3	334/-15	301/17:49:59	00.29.2	
		SUN	ISDR 129	126	3	0	0		35 16	3.44		FN0025/12	1			
		SOLAR EXTINCTION														
21B225/053	10:40.41	SINGLE	280.0/335.0	-10	.04	2/2	1	4	RT/UH	16K	2	143.8/51.7	188/-45	302/10:27.34	04:59 0	
		GRN *	ISDR 1401	1376	25	0	0		80.37	43.60		FN0025/13	2			
		HI-RES COLOR MOSAIC		(GRN)												
21B226/053	11.17.22	SINGLE	235.0/290.0	-10	.04	2/2	1	4	RT/UH	16K	22	157.4/54 6	199/-49	302/11.04:16	04:50.0	
		GRN *	ISDR 1016	0	0	360	1		113.45	34.01		FN0025/14	2			
		HI-RES COLOR MOSAIC		(GRN)												
21B227/053	12:14:59	COLOR	272.5/335.0	-30	.12	1/1	1	3	REC/UH	16K	8	181.3/56 4	220/-54	302/12:01:52	05:35.8	
		BLU *	ISDR 523	523	1	0	0		132 31	62 57		FN0025/15	1			
		GRN *	ISDR 522	523	1	1	1		138.75	68 62		FN0025/16	1			
		RED *	ISDR 522	523	1	1	1		124.17	65.03		FN0025/17	1			
		HIGH GAIN TRIPLICATE (COLOR)														
21B228/053	12·24·59	IR	272.5/335.0	-30	.12	9/1	1	3	REC/UH	16K	10	185.6/56.3	224/-55	302/12:11:52	05:35.8	
		IR3	SDR 522	0	0	0	0		140.87	67.71		FN0025/18	1			
		IR2	ISDR 521	0	0	1	1		142.89	68.01		FN0025/19	1			
		IR1 *	ISDR 521	0	0	1	1		132.30	68.07		FN0025/20	1			
		IR OF 7 CHAN SET(3 EVENTS)														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
21B229/053	12:37.59	SINGLE	272.5/335 0	-30	.12	14/3	1	3	REC/UH	16K	12	191.0/56.0	230/-55	302/12:24:52	01.53.6	
		SURV	ISDR 528	522	6	0	0		120 82	60.51		FN0025/21	1			
		SURVEY OF 7 CHAN SET(3 EVENTS)														
22B230/054	06:59.00	SINGLE	115 0/130 0	-10	.04	5/2	7	2	REC/UH	16K	-15	90.6/19.7	326/-11	303/07:25:28	01:22.5	
		BB4	ISDR 383	376	7	0	0		154.90	52.03		FN0026/01	1			
		MORNING HI-RES MOSAIC														
22B231/054	07:05 00	SINGLE	115.0/175.0	-10	.04	5/2	2	3	REC/UH	16K	-13	91.6/20.7	327/-12	303/07:31:28	05:22.5	
		BB4 *	ISDR 1508	1501	7	0	0		52.39	31.71		FN0026/02	2			
		MORNING HI-RES MOSAIC														
22B232/054	10:00.00	SINGLE	305.0/310.0	-10	.12	14/3	1	5	REC/UH	16K	-6	130.9/47.1	2/-40	303/10:26:28	00:11.4	
		SURV	SDR 49	43	6	0	0		65.19	39.38		FN0026/03	1			
		7-CHANNEL OF RTC (SURVEY)														
22B233/054	10:03 00	COLOR	305.0/310 0	-10	.12	1/1	1	5	REC/UH	16K	-6	131.8/47.4	2/-40	303/10:29:28	00:29.2	
		BLU	SDR 43	0	0	0	0		65.46	50 33		FN0026/04	1			
		GRN	SDR 43	0	0	0	0		69.70	51.33		FN0026/05	1			
		RED	SDR 43	0	0	0	0		65.94	37.16		FN0026/06	1			
		COLOR OF 7 CHAN SET(3 EVENTS)														
22B234/054	10:06 00	IR	305 0/310.0	-10	.12	9/1	1	5	REC/UH	16K	-4	132.7/47.8	3/-40	303/10:32:28	00:29.2	
		IR3	SDR 43	0	0	0	0		53.59	27.56		FN0026/07	1			
		IR2	SDR 43	0	0	0	0		53.11	26.78		FN0026/08	1			
		IR1	SDR 43	0	0	0	0		56.46	25.34		FN0026/09	1			
		IR OF 7 CHAN SET(3 EVENTS)														
21B235/054	10:35 11	SINGLE	235.0/270.0	-10	.04	3/2	1	4	RT/UH	16K	0	142.1/51.0	187/-44	303/11:01:40	03:07.0	
		RED *	ISDR 875	0	0	1	1		114.07	32.10		FN0026/10	1			
		HI-RES COLOR MOSAIC		(RED)												
21B236/054	11:12·51	SINGLE	270.0/315 0	-10	.04	3/2	1	4	RT/UH	16K	-29	155.8/54.2	198/-49	303/11:39:19	03:52.0	
		RED *	ISDR 887	0	0	239	1		114.90	45.39		FN0026/11	2			
		HI-RES COLOR MOSAIC		(RED)												
21B238/054	16:36 00	COLOR	22.5/ 27.5	-10	.12	1/1	1	5	REC/UH	16K	8	260.3/27.5	309/-35	303/17:02.28	00:29.2	
		BLU	SDR 44	44	1	0	0		50.56	19 60		FN0026/12	1			
		GRN	SDR 43	44	1	1	1		50.28	19.27		FN0026/13	1			
		RED	SDR 43	44	1	1	1		42.07	14.71		FN0026/14	1			
		PHOTOMETRICS (LANDER)														
21B239/054	16:38.00	IR	22.5/ 27.5	-10	.12	9/1	1	5	REC/UH	16K	8	260.7/27.2	310/-35	303/17:04:28	00:29.2	
		IR3	SDR 44	44	1	0	0		37.00	12.29		FN0026/15	1			
		IR2	SDR 44	44	1	0	0		36.48	12.01		FN0026/16	1			
		IR1	SDR 43	44	1	1	1		39.22	13.45		FN0026/17	1			
		PHOTOMETRICS (LANDER)														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
21B240/054	16:40 00	COLOR	215.0/227.5	-30	.12	1/1	1	3	REC/UH	16K	10	261.1/26.9	310/-34	303/17:06:28	01:09.2	
		BLU	SDR 106	106	1	0	0		94.22	41.10		FN0026/18	1			
		GRN	SDR 106	106	1	0	0		106 01	44.88		FN0026/19	1			
		RED	SDR 106	106	1	0	0		119.28	47 51		FN0026/20	1			
		PHOTOMETRICS (SURFACE)														
21B241/054	16.43 00	IR	215.0/227.5	-30	.12	9/1	1	3	REC/UH	16K	10	261 7/26.4	311/-34	303/17:09:28	01:09.2	
		IR3	SDR 106	106	1	0	0		102.77	42 22		FN0026/21	1			
		IR2	SDR 106	106	1	0	0		99.91	41.76		FN0026/22	1			
		IR1	SDR 106	106	1	0	0		112.80	45.49		FN0026/23	1			
		PHOTOMETRICS (SURFACE)														
21B242/054	16·52 42	SINGLE	132.5/137 5	30	.04	4/2	1	3	REC/UH	16K	10	263.5/24.8	313/-32	303/17:19:10	00:29.2	
		SUN	SDR 134	126	8	0	0		30.84	19 23		FN0026/24	1			
		SOLAR EXTINCTION														
21B243/054	17:40 59	COLOR	30.0/ 35.0	-10	.12	1/1	1	5	REC/UH	16K	8	272 3/17.0	323/-25	303/18:07:28	00.29.2	
		BLU	SDR 44	44	1	0	0		51 56	26.56		FN0026/25	1			
		GRN	SDR 44	44	1	0	0		48.39	21 64		FN0026/26	1			
		RED	SDR 43	44	1	1	1		39.11	13 65		FN0026/27	1			
		PHOTOMETRICS (SURFACE)														
21B244/054	17·42·59	IR	30 0/ 35.0	-10	.12	9/1	1	5	REC/UH	16K	8	272.7/16.6	323/-24	303/18:09:28	00:29.2	
		IR3	SDR 44	44	1	0	0		34.16	12 46		FN0026/28	1			
		IR2	SDR 44	44	1	0	0		33.42	11 88		FN0026/29	1			
		IR1	SDR 43	44	1	1	1		35.24	12.02		FN0026/30	1			
		PHOTOMETRICS (SURFACE)														
21B245/054	17:44 59	COLOR	215.0/227.5	-30	.12	1/1	1	3	REC/UH	16K	10	273.1/16.3	324/-24	303/18:11:28	01:09.2	
		BLU	SDR 106	106	1	0	0		61.72	32 93		FN0026/31	1			
		GRN	SDR 106	106	1	0	0		69 39	36.95		FN0026/32	1			
		RED	SDR 106	106	1	0	0		78.36	37.76		FN0026/33	1			
		PHOTOMETRICS (SURFACE)														
21B246/054	17·47.59	IR	215.0/227 5	-30	.12	9/1	1	3	REC/UH	16K	10	273.6/15.8	324/-24	303/18:14:28	01:09.2	
		IR3	ISDR 106	106	1	0	0		67 57	33.79		FN0026/34	1			
		IR2	ISDR 106	106	1	0	0		65.32	32.94		FN0026/35	1			
		IR1	ISDR 106	106	1	0	0		73.34	36 39		FN0026/36	1			
		PHOTOMETRICS (SURFACE)														
21B247/054	17.57·41	SINGLE	145 0/150 0	30	.04	4/2	1	3	REC/UH	16K	10	275 3/14.2	326/-22	303/18:24:10	00:29.2	
		SUN	SDR 133	126	7	0	0		30.68	22.56		FN0026/37	1			
		SOLAR EXTINCTION														
21B248/054	18:10.59	COLOR	22.5/ 27.5	-10	.12	1/1	1	5	REC/UH	16K	10	277.7/12.1	328/-20	303/18:37:28	00:29.2	
		BLU	ISDR 41	0	0	2	2		90.83	71.61		FN0027/01	1			
		GRN	ISDR 42	0	0	1	1		80.52	56.26		FN0027/02	1			
		RED	ISDR 42	0	0	1	1		60.75	37.17		FN0027/03	1			
		PHOTOMETRICS (LANDER)														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV	EDR TAPE/FILE	# OF EDR SEGMENTS				
21B249/054	18.12.59	IR	22.5/	27.5	-10 .12	9/1	1	5	REC/UH	16K	10	278.0/11.8	329/-20	303/18:39:28	00:29.2	
		IR3	SDR	44	44 1	0	0		55.58	32 94		FN0027/04	1			
		IR2	SDR	44	44 1	0	0		55.01	32 16		FN0027/05	1			
		IR1	SDR	43	44 1	1	1		54.69	33.38		FN0027/06	1			
		PHOTOMETRICS (LANDER)														
21B250/054	18:14.59	COLOR	215.0/227.5		-30 .12	1/1	1	3	REC/UH	16K	10	278.4/11.4	329/-19	303/18:41:28	01:09.2	
		BLU	ISDR	106	106 1	0	0		46.70	24 83		FN0027/07	1			
		GRN	ISDR	105	106 1	1	1		51.93	27 95		FN0027/08	1			
		RED	ISDR	105	106 1	1	1		58.11	27.87		FN0027/09	1			
		PHOTOMETRICS (SURFACE)														
21B251/054	18.17 59	IR	215.0/227 5		-30 .12	9/1	1	3	REC/UH	16K	10	278.9/10.9	330/-19	303/18.44.28	01:09.2	
		IR3	ISDR	106	106 1	0	0		49.22	22.45		FN0027/10	1			
		IR2	ISDR	105	106 1	1	1		47.63	21.89		FN0027/11	1			
		IR1	ISDR	105	106 1	1	1		53 44	24 99		FN0027/12	1			
		PHOTOMETRICS (SURFACE)														
21B252/054	18:28.59	COLOR	215 0/227 5		-30 .12	1/1	1	3	REC/UH	16K	10	280.8/ 9.2	332/-17	303/18:55:28	01:09.2	
		BLU	ISDR	106	106 1	0	0		39.68	18 89		FN0027/13	1			
		GRN	ISDR	105	106 1	1	1		43.84	21 63		FN0027/14	1			
		RED	ISDR	105	106 1	1	1		49.41	21.91		FN0027/15	1			
		PHOTOMETRICS (SURFACE)														
21B253/054	18:30.59	COLOR	22.5/	27.5	-10 .12	1/1	1	5	REC/UH	16K	10	281.2/ 8.9	332/-17	303/18:57:28	00:29.2	
		BLU	ISDR	45	44 2	0	0		78.52	60.39		FN0027/16	1			
		GRN	ISDR	44	44 2	1	1		66.65	46.51		FN0027/17	1			
		RED	ISDR	44	44 2	1	1		55.20	34.60		FN0027/18	1			
		PHOTOMETRICS (LANDER)														
21B254/054	18:32.59	IR	22 5/	27.5	-10 .12	9/1	1	5	REC/UH	16K	10	281.5/ 8.5	332/-16	303/18.59.28	00:29.2	
		IR3	SDR	44	44 1	0	0		51 17	29 79		FN0027/19	1			
		IR2	SDR	44	44 1	0	0		50.45	29.36		FN0027/20	1			
		IR1	SDR	43	44 1	1	1		50.25	30 45		FN0027/21	1			
		PHOTOMETRICS (LANDER)														
21B255/054	18.34:59	IR	215.0/227.5		-30 .12	9/1	1	3	REC/UH	16K	10	281.9/ 8.2	333/-16	303/19:01:28	01:09.2	
		IR3	SDR	106	106 1	0	0		40.91	16 45		FN0027/22	1			
		IR2	SDR	106	106 1	0	0		39.63	16.02		FN0027/23	1			
		IR1	SDR	106	106 1	0	0		43.89	18 25		FN0027/24	1			
		PHOTOMETRICS (SURF'CE)														
21C000/054	18:38.59	SINGLE	152.5/157.5		20 .04	4/2	1	2	REC/UH	16K	12	282 6/ 7.6	333/-15	303/19:05:28	00:29.2	
		SUN	SDR	132	126 6	0	0		34.35	3.11		FN0027/25	1			
		SOLAR EXTINCTION														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL	LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
21C001/054	18.40 59	COLOR	22.5/ 27.5	-10	.12	1/1	1	5	REC/UH	16K	10	282.9/ 7 3	334/-15	303/19:07.28	00:29.2	
		BLU	ISDR 43	0	0	0	0		64.30	47 68		FN0027/26	1			
		GRN	ISDR 43	0	0	0	0		56 43	37 45		FN0027/27	1			
		RED	ISDR 43	0	0	0	0		47.26	28 45		FN0027/28	1			
		PHOTOMETRICS (LANDER)														
21C002/054	18 42·59	IR	22 5/ 27.5	-10	.12	9/1	1	5	REC/UH	16K	10	283.3/ 6.9	334/-15	303/19:09:28	00:29.2	
		IR3	SDR 43	0	0	0	0		45.91	27 84		FN0027/29	1			
		IR2	SDR 43	0	0	0	0		45.58	27.70		FN0027/30	1			
		IR1	SDR 43	0	0	0	0		-5.21	28.36		FN0027/31	1			
		PHOTOMETRICS (LANDER)														
21C003/054	18.44 59	COLOR	215.0/227.5	-30	.12	1/1	1	3	REC/UH	16K	12	283.6/ 6 6	334/-14	303/19:11:28	01:09.2	
		BLU	ISDR 106	106	1	0	0		33.70	13.78		FN0027/32	1			
		GRN	ISDR 105	106	1	1	1		36.59	15.66		FN0027/33	1			
		RED	ISDR 105	106	1	1	1		41.41	15.51		FN0027/34	1			
		PHOTOMETRICS (SURFACE)														
21C004/054	18 47 59	IR	215 0/227.5	-30	.12	9/1	1	3	REC/UH	16K	12	284 1/ 6.1	335/-14	303/19·14:28	01.09.2	
		IR3	ISDR 105	0	0	0	0		35.04	11.99		FN0027/35	1			
		IR2	ISDR 104	0	0	1	1		34.27	11.65		FN0027/36	1			
		IR1 *	ISDR 104	0	0	1	1		38.16	14.56		FN0027/37	1			
		PHOTOMETRICS (SURFACE)														
22C005/055	05:13 55	SINGLE	125.0/130.0	0	.04	4/2	1	0	REC/UH	16K	-17	72.1/ 2.7	307/ 4	304/06·19·59	00:29.2	
		SUN	SDR 133	126	7	0	0		136.75	2.46		FN0028/01	1			
		SOLAR EXTINCTION														
22C006/055	05·33·55	SINGLE	127.5/137.5	0	.04	4/2	1	1	REC/UH	16K	-17	75 7/ 5.9	310/ 1	304/06·39:59	00:55.8	
		SUN	SDR 258	251	7	0	0		68.09	2 06		FN0028/02	1			
		SOLAR EXTINCTION														
22C007/055	06.08 55	SINGLE	135.0/140.0	10	.04	4/2	1	2	REC/UH	16K	-17	81.8/11 4	317/ -3	304/07:14:59	00:29.2	
		SUN	SDR 133	126	7	0	0		31.13	1.80		FN0028/03	1			
		SOLAR EXTINCTION														
22C008/055	09.55.00	SINGLE	305.0/310.0	-10	.12	14/3	1	5	REC/UH	16K	-6	129 6/46 3	1/-39	304/11:01:03	00:11.4	
		SURV	SDR 51	43	8	0	0		67.30	40.88		FN0028/04	1			
		7-CHANNEL OF RTC (SURVEY)														
22C009/055	09:58 00	COLOR	305.0/310.0	-10	.12	1/1	1	5	REC/UH	16K	-6	130.5/46.7	1/-39	304/11:04.03	00:29.2	
		BLU	SDR 44	44	1	0	0		66.42	50.18		FN0028/05	1			
		GRN	SDR 44	44	1	0	0		70.05	50.37		FN0028/06	1			
		RED	SDR 43	44	1	1	1		67.41	38.50		FN0028/07	1			
		COLOR OF 7 CHAN SET(3 EVENTS)														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
22C010/055	10:01 00	IR	305 0/310.0	-10	.12	9/1	1	5	REC/UH	16K	-6	131 4/47.0	2/-40	304/11:07:03	00:29.2	
		IR3	ISDR 43	0	0	0	0		54.94	28.48		FN0028/08	1			
		IR2	ISDR 43	0	0	0	0		54.66	27.71		FN0028/09	1			
		IR1	ISDR 43	0	0	0	0		57.89	26.15		FN0028/10	1			
		IR OF 7 CHAN SET(3 EVENTS)														
21C011/055	10 29 35	SINGLE	200.0/235 0	-10	.04	2/2	1	4	RT/UH	16K	2	140 4/50.3	185/-44	304/11:35:39	03:07.0	
		GRN *	ISDR 874	0	0	2	2		123.99	26.31		FN0028/11	1			
		HI-RES COLOR MOSAIC		(GRN)												
21C012/055	11 07.15	SINGLE	157.5/202 5	-10	.04	2/2	1	4	RT/UH	16K	2	153 8/53.6	196/-48	304/12:13:19	03:52.0	
		GRN *	ISDR 654	0	0	472	3		119.37	32.47		FN0028/12	2			
		HI-RES COLOR MOSAIC		(GRN)												
21C013/055	12:20 00	COLOR	177.5/272.5	-30	.12	1/1	1	3	REC/UH	16K	6	183 5/56 0	223/-54	304/13:26.03	08:29.1	
		BLU *	ISDR 794	794	1	0	0		176.24	66.39		FN0028/13	1			
		GRN *	ISDR 794	794	1	0	0		150.65	74.22		FN0028/14	1			
		RED *	ISDR 793	794	1	1	1		130.09	69.27		FN0028/15	1			
		7-CHANNEL MOSAIC		(COLOR)												
21C014/055	12:30 00	IR	177.5/272 5	-30	.12	9/1	1	3	REC/UH	16K	10	187.7/55.8	227/-55	304/13:36.03	08:29.1	
		IR3	ISDR 791	0	0	2	2		174.24	66.13		FN0028/16	1			
		IR2	ISDR 792	0	0	1	1		174.75	63.85		FN0028/17	1			
		IR1 *	ISDR 792	0	0	1	1		152.61	71.65		FN0028/18	1			
		IR OF 7 CHAN SET(3 EVENTS)														
21C015/055	12:40.00	SINGLE	177 5/272 5	-30	.12	14/3	1	3	REC/UH	16K	12	191.9/55.5	231/-55	304/13:46.03	02:51.4	
		SURV	ISDR 796	793	3	0	0		130.09	68.21		FN0028/19	1			
		SURVEY OF 7 CHAN SET(3 EVENTS)														
22C016/056	09.44:59	SINGLE	305.0/310.0	-10	.12	14/3	1	5	REC/UH	16K	-8	127.0/44 9	358/-37	305/11:30:38	00:11.4	
		SURV	ISDR 47	43	5	1	1		74.35	39.46		FN0028/20	1			
		7-CHANNEL OF RTC (SURVEY)														
22C017/056	09:47 59	COLOR	305 0/310.0	-10	.12	1/1	1	5	REC/UH	16K	-8	127 8/45.3	359/-38	305/11:33:38	00:29.2	
		BLU	SDR 44	44	1	0	0		73.24	48.99		FN0028/21	1			
		GRN	SDR 44	44	1	0	0		77.12	49.22		FN0028/22	1			
		RED	SDR 43	44	1	1	1		73.94	36.98		FN0028/23	1			
		COLOR OF 7 CHAN SET(3 EVENTS)														
22C018/056	09:50.59	IR	305.0/310.0	-10	.12	9/1	1	5	REC/UH	16K	-8	128.7/45.7	0/-38	305/11:36:38	00:29.2	
		IR3	SDR 43	0	0	0	0		58.73	27.09		FN0028/24	1			
		IR2	SDR 43	0	0	0	0		57.49	26.59		FN0028/25	1			
		IR1	SDR 43	0	0	0	0		59.16	25.12		FN0028/26	1			
		IR OF 7 CHAN SET(3 EVENTS)														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
21C019/056	10:23 30	SINGLE	200.0/235.0	-10	.04	3/2	1	4	RT/UH	16K	-2	138.6/49.5	184/-43	305/12:09:09	03:07.0	
		RED *	ISDR 875	0	0	1	1		137.23	30.02		FN0028/27	1			
		HI-RES COLOR MOSAIC		(RED)												
21C020/056	11.01 10	SINGLE	157.5/202.5	-10	.04	3/2	1	4	RT/UH	16K	0	151.7/53.0	195/-47	305/12:46:49	03:52.0	
		RED *	ISDR 895	0	0	231	4		139.34	33.44		FN0028/28	2			
		HI-RES COLOR MOSAIC		(RED)												
22C021/056	14·01·48	SINGLE	290.0/295 0	-20	.04	13/2	1	4	REC/UH	16K	4	222.2/49.2	88/-53	305/15:47:27	00:29.2	
		BB3	ISDR 135	126	9	0	0		63.13	54 58		FN0028/29	1			
		BACKHOE IN MIRROR														
22C022/056	14:10 12	SINGLE	85.0/ 92.5	-10	.04	8/2	1	4	REC/UH	16K	6	224.9/48.3	91/-52	305/15:55:52	00:42.5	
		BB1 *	ISDR 196	189	7	0	0		129.12	42.56		FN0028/30	1			
		VIEW OF BACKHOE														
22C023/056	14·29 45	SINGLE	85.0/ 95 0	-30	.04	0/2	1	4	REC/UH	16K	6	230.7/45.9	98/-51	305/16:15.25	00:55.8	
		BB2 *	ISDR 259	251	8	0	0		110,90	54 56		FN0028/31	1			
		COLLECTOR HEAD ON SURFACE														
22C024/056	14:42 39	SINGLE	290.0/297.5	-20	.04	13/2	1	4	REC/UH	16K	6	234.3/44.2	103/-49	305/16:28:19	00:42.5	
		BB3	SDR 196	189	7	0	0		53.39	37 66		FN0028/32	1			
		COLLECTOR HEAD IN MIRROR														
22C025/056	14 50 36	SINGLE	85 0/ 92.5	-10	.04	8/2	1	4	REC/UH	16K	6	236.4/43.2	105/-49	305/16:36:16	00.42.5	
		BB1 *	SDR 196	189	7	0	0		124.49	42.60		FN0028/33	1			
		BACKHOE														
22C026/056	14:54 24	SINGLE	85.0/ 92 5	-10	.04	8/2	1	4	REC/UH	16K	6	237.4/42.6	106/-48	305/16:40.04	00:42.5	
		BB1 *	SDR 196	189	7	0	0		124.29	43.02		FN0028/34	1			
		BACKHOE														
21C027/056	14.59 25	SINGLE	282.5/290.0	-30	.04	8/2	1	4	REC/UH	16K	8	238.7/41.9	284/-48	305/16:45:05	00.42.5	
		BB1 *	SDR 196	189	7	0	0		113.39	62.40		FN0028/35	1			
		BOOM IN MIRROR														
21C028/056	15·01 59	SINGLE	282.5/290 0	-30	.04	8/2	1	4	REC/UH	16K	8	239 4/41.6	285/-47	305/16:47:39	00.42.5	
		BB1 *	SDR 196	189	7	0	0		118.25	61.31		FN0028/36	1			
		BOOM IN MIRROR														
21C029/056	15:04 29	SINGLE	282 5/290.0	-30	.04	8/2	1	4	REC/UH	16K	8	240 0/41.2	286/-47	305/16:50:09	00:42.5	
		BB1 *	SDR 196	189	7	0	0		115.53	62.55		FN0028/37	1			
		BOOM IN MIRROR														
22C030/056	15·11.54	SINGLE	290.0/295.0	-20	.04	13/2	1	4	REC/UH	16K	8	241.9/40.2	112/-46	305/16:57:34	00:29.2	
		BB3	SDR 133	126	7	0	0		41.89	24.34		FN0028/38	1			
		BACKHOE IN MIRROR														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
			DATA TOTAL RECORD LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
21C031/056	17.27.59	SINGLE	280.0/290.0	-30	.04	0/2	1	4	REC/UH	16K	10	269 8/18 8	320/-26	305/19:13:38	00.55.8	
		BB2 *	ISDR 252	251	3	2	2		85.17	33.43		FN0028/39	1			
		TRENCH														
22C032/056	17:30.59	SINGLE	85.0/ 95 0	-30	.04	0/2	1	4	REC/UH	16K	B	270.3/18.3	145/-26	305/19:16:38	00:55.8	
		BB2 *	ISDR 259	251	8	0	0		65.23	31.60		FN0028/40	1			
		STEREO TO 21C031														
22C033/057	06:50:20	SINGLE	115.0/125.0	-50	.04	8/2	1	4	REC/UH	16K	-15	89.5/18.0	324/ -9	306/09:15:34	00:55.8	
		BB1 *	ISDR 257	251	6	0	0		38 05	18 25		FN0029/01	1			
		BOOM IN MIRROR														
22C034/057	06:52·45	SINGLE	115 0/125 0	-50	.04	8/2	1	4	REC/UH	16K	-15	89.9/18.4	325/-10	306/09:17:59	00:55.8	
		BB1 *	SDR 257	251	6	0	0		38 21	17.81		FN0029/02	1			
		BOOM IN MIRROR														
22C035/057	06:55:12	SINGLE	115.0/125.0	-50	.04	8/2	1	4	REC/UH	16K	-15	90.4/18.8	325/-10	306/09:20:26	00:55.8	
		BB1 *	ISDR 253	251	3	1	1		37.77	17.08		FN0029/03	1			
		BOOM IN MIRROR														
21C036/057	07:01·57	SINGLE	315 0/335 0	-30	.04	13/2	1	4	REC/UH	16K	-12	91.6/19.9	143/-11	306/09:27:11	01:49.2	
		BB3 *	ISDR 508	501	7	0	0		50 67	20.46		FN0029/04	1			
		MORNING HI-RES MOSAIC														
22C037/057	07:31:24	COLOR	285.0/297.5	-20	.12	1/1	1	4	REC/UH	16K	-13	97.0/24 6	332/-16	306/09.56:38	01:09.2	
		BLU	SDR 106	106	1	0	0		72 10	39.89		FN0029/05	1			
		GRN	SDR 106	106	1	0	0		72 00	43 64		FN0029/06	1			
		RED	SDR 106	106	1	0	0		64.01	49.38		FN0029/07	1			
		BACKHOE AND RTC (COLOR)														
22C038/057	07:33·17	IR	285 0/297 5	-20	.12	9/1	1	4	REC/UH	16K	-12	97.4/25.0	332/-16	306/09:58:31	01:09.2	
		IR3	SDR 106	106	1	0	0		67.54	38.79		FN0029/08	1			
		IR2	SDR 106	106	1	0	0		67.23	38 09		FN0029/09	1			
		IR1	SDR 106	106	1	0	0		70.35	38.24		FN0029/10	1			
		BACKHOE AND RTC (IR)														
22C039/057	07:35.14	SINGLE	285 0/297 5	-10	.04	8/2	1	4	REC/UH	16K	-12	97.8/25.3	332/-17	306/10·00.28	01:09.2	
		BB1	SDR 321	314	7	0	0		73 89	45.46		FN0029/11	1			
		BACKHOE AND RTC (HI·RES)														
22C040/057	09:09 06	SINGLE	305.0/335 0	-30	.12	14/3	1	3	REC/UH	16K	-6	117.8/39.8	351/-32	306/11:34:20	00:55.8	
		SURV	SDR 258	251	7	0	0		109.37	61.48		FN0029/12	1			
		COLLECTOR HEAD OVER XRFS														
21C041/057	09:30.59	SINGLE	290.0/300.0	-30	.04	0/2	1	4	REC/UH	16K	-2	123.4/42.9	171/-35	306/11:56:13	00:55.8	
		BB2 *	SDR 258	251	7	0	0		70.91	34.53		FN0029/13	1			
		PURGE SITE														

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CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
22C042/057	09:32 59	SINGLE	90.0/100.(	-40	.04	0/2	1	4	REC/UH	16K	-4	123.9/43.2	356/-35	306/11:58:13	00:55.8	
		BB2 *	SDR 258	251	7	0	0		81.04	33.72		FN0029/14	1			
		PURGE SITE														
21C043/057	09.35.59	SINGLE	320 0/335 0	-30	.12	14/3	1	4	REC/UH	16K	-2	124.7/43.6	172/-36	306/12 01:13	00:29.2	
		SURV	SDR 133	126	7	0	0		57.17	43.65		FN0029/15	1			
		BOOM IN PARK POSITION														
21C044/057	09:38:59	SINGLE	280.0/290 0	-30	.04	0/2	1	4	REC/UH	16K	-2	125.5/44 0	173/-36	306/12:04:13	00:55.8	
		BB2 *	SDR 256	251	5	0	0		80.11	32 83		FN0029/16	1			
		TRENCH- X-RAY														
22C045/057	09:40 59	SINGLE	85.0/ 95 0	-30	.04	0/2	1	4	REC/UH	16K	-4	126.1/44.2	358/-36	306/12.06.13	00:55 8	
		BB2 *	ISDR 257	251	6	0	0		87.49	33 85		FN0029/17	1			
		STEREO TO 21C044														
21C046/057	10:17.3*	SINGLE	200 0/235 0	-10	.04	1/2	1	4	RT/UH	16K	0	136.8/48.7	183/-42	306/12 42:45	03.07.0	
		BLU *	ISDR 875	0	0	1	1		107.29	23 06		FN0029/18	1			
		HI-RES COLOR MOSAIC		(BLU)												
21C047/057	10:55 11	SINGLE	157.5/202 5	-10	.04	1/2	1	4	RT/UH	16K	2	149.6/52.4	193/-46	306/13 20:25	03:52.0	
		BLU *	ISDR 909	0	0	217	1		109.42	27.64		FN0029/19	2			
		HI-RES COLOR MOSAIC		(BLU)												
21C048/057	12.19.59	COLOR	102.5/177.5	-10	.12	1/1	1	3	REC/UH	16K	6	183.6/55 6	223/-54	306/14 45:13	06:42.5	
		BLU *	SDR 627	627	1	0	0		136.01	44.62		FN0029/20	1			
		GRN *	SDR 627	627	1	0	0		141 63	52.44		FN0029/21	1			
		RED *	SDR 626	627	1	1	1		139 88	56.92		FN0029/22	1			
		HIGH GAIN TRIPLICATE (COLOR)														
21C049/057	12:29.59	IR	102 5/177 5	-10	.12	9/1	1	3	REC/UH	16K	8	187 8/55 4	227/-54	306/14.55.13	06:42.5	
		IR3	ISDR 626	0	0	0	0		136.88	56.39		FN0029/23	1			
		IR2	ISDR 625	0	0	1	1		134.88	56.82		FN0029/24	1			
		IR1 *	ISDR 624	0	0	2	2		140.42	60.19		FN0029/25	1			
		IR OF 7 CHAN SET(3 EVENTS)														
21C050/057	12:39:58	SINGLE	102.5/177 5	-10	.12	14/3	1	3	REC/UH	16K	10	191.9/55.2	231/-54	306/15:05:13	02:15.8	
		SURV	SDR 634	626	8	0	0		138.97	54 79		FN0029/26	1			
		SURVEY OF 7 CHAN SET(3 EVENTS)														
22C051/058	09:09.07	SINGLE	305.0/335.0	-30	.12	14/3	1	3	REC/UH	16K	-8	118.0/39 7	351/-31	307/12:13.56	00:55.8	
		SURV	SDR 256	251	7	2	1		109.22	61.71		FN0030/01	1			
		COLLECTOR HEAD OVER XRFS														
21C052/058	09:36 00	SINGLE	320.0/335.0	-30	.12	14/3	1	4	REC/UH	16K	0	124.9/43.4	173/-36	307/12.40:49	00.29.2	
		SURV	SDR 133	126	7	0	0		56.90	43.98		FN0030/02	1			
		BOOM IN PARK POSITION														

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VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
22C053/058	09:39 00	SINGLE	85 0/ 95.0	-30	.04	0/2	1	4	REC/UH	16K	-6	125.7/43.8	357/-36	307/12:43.49	00:55.8	
		BB2 *	ISDR 255	251	5	1	1		86.36	34.04		FN0030/03	1			
		X-RAY TRENCH														
21C054/058	10:11 20	SINGLE	200 0/235 0	0	.04	1/2	1	4	RT/UH	16K	2	135.1/47.8	181/-41	307/13:16:09	03:07.0	
		BLU *	SDR 875	0	0	1	1		112.38	27.23		FN0030/04	1			
		HI-RES COLOR MOSAIC		(BLU)												
21C055/058	10 49.00	SINGLE	157.5/202.5	0	.04	1/2	1	4	RT/UH	16K	-17	147.6/51.7	191/-46	307/13:53:49	03:52.0	
		BLU *	ISDR 1061	0	0	65	2		111.59	35.68		FN0030/05	2			
		HI-RES COLOR MOSAIC		(BLU)												
21C056/058	12:19.59	COLOR	10 0/110.0	-10	.12	1/1	1	3	REC/UH	16K	8	183 7/55.4	223/-54	307/15:24:49	08:55.8	
		BLU *	ISDR 834	835	1	1	1		108.49	41.11		FN0030/06	1			
		GRN *	ISDR 835	835	1	0	0		108.06	43.00		FN0030/07	1			
		RED *	ISDR 835	835	1	0	0		106.86	41.34		FN0030/08	1			
		HIGH GAIN TRIPLICATE (COLOR)														
21C057/058	12:29 59	IR	10.0/110 0	-10	.12	9/1	1	3	REC/UH	16K	10	187.9/55.3	227/-54	307/15:34:49	08:55.8	
		IR3	ISDR 835	835	1	0	0		102.96	43.59		FN0030/09	1			
		IR2	ISDR 834	835	1	1	1		100.60	44.49		FN0030/10	1			
		IR1 *	ISDR 834	835	1	1	1		103.89	43.64		FN0030/11	1			
		IR OF 7 CHAN SET(3 EVENTS)														
21C058/058	12:39:59	SINGLE	10.0/110 0	-10	.12	14/3	1	3	REC/UH	16K	12	192.0/55.0	231/-54	307/15:44:49	03:00.3	
		SURV	ISDR 837	834	3	0	0		111.13	40.61		FN0030/12	1			
		SURVEY OF 7 CHAN SET(3 EVENTS)														
21C059/059	10:04 49	SINGLE	200.0/235 0	0	.04	2/2	1	4	RT/UH	16K	0	133.3/46.9	180/-40	308/13:49:14	03:07.0	
		GRN *	ISDR 875	0	0	1	1		127.83	28.68		FN0030/13	1			
		HI-RES COLOR MOSAIC		(GRN)												
21C060/059	10:42 29	SINGLE	157 5/202 5	0	.04	2/2	1	4	RT/UH	16K	0	145.4/50.9	190/-45	308/14:26:53	03:52.0	
		GRN *	ISDR 933	0	0	193	1		128.17	32.74		FN0030/14	2			
		HI-RES COLOR MOSAIC		(GRN)												
21C061/059	11:09:59	SINGLE	80 0/157.5	0	.04	1/2	1	4	REC/UH	16K	4	155 4/53.2	198/-48	308/14:54:24	06.55.8	
		BLU *	ISDR 1945	1939	7	1	1		84.40	33.84		FN0030/15	3			
		HI-RES COLOR MOSAIC		(BLU)												
21C062/059	11:19 59	SINGLE	80.0/157.5	0	.04	2/2	1	4	REC/UH	16K	6	159.3/53.8	201/-49	308/15:04:24	06:55.8	
		GRN *	ISDR 1942	1939	3	0	0		83.70	31.25		FN0030/16	3			
		HI-RES COLOR MOSAIC		(GRN)												
21C063/059	11:29:59	SINGLE	80.0/157.5	0	.04	3/2	1	4	REC/UH	16K	6	163.2/54.3	205/-50	308/15:14:24	06:55.8	
		RED *	ISDR 1944	1939	5	0	0		84.41	36.49		FN0030/17	3			
		HI-RES COLOR MOSAIC		(RED)												

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VL-2 CAMERA EVENT REPORT

CE LABEL	LLT	DIODE	AZIMUTH START/STOP	CENTER ELEV	STEP	CHAN MODE	OFFSET	GAIN	DATA PATH	SCAN RATE	PSA TEMP(C)	SOLAR AZ/EL	ANTISOLAR AZ/EL	GMT	DURATION	RSCN /DUST
		DATA RECORD	TOTAL LINES	RESCAN BEGIN/TOTAL		LINES MISSED	GAPS		AVE DN VALUE	STAND DEV		EDR TAPE/FILE	# OF EDR SEGMENTS			
21C064/060	09.58.14	SINGLE	200.0/235.0	0	.04	3/2	1	4	RT/UH	16K	-2	131.5/46.0	178/-39	309/14:22:14	03:07.0	
		RED *	SDR 875	0	0	1	1		134.98	28.63		FN0030/18	1			
		HI-RES COLOR MOSAIC		(RED)												
21C065/060	10:35 53	SINGLE	157.5/200.0	0	.04	3/2	1	4	RT/UH	16K	0	143.4/50.2	188/-44	309/14.59:54	03:52.0	
		RED *	ISDR 821	0	0	243	1		136.12	32.05		FN0030/19	2			
		HI-RES COLOR MOSAIC		(RED)												
22C066/060	11:09.59	COLOR	265.0/305.0	-10	.12	1/1	1	3	REC/UH	16K	-2	155.6/53.0	22/-48	309/15:33:59	03:35.8	
		BLU *	ISDR 335	335	1	0	0		111.06	52.43		FN0030/20	1			
		GRN *	ISDR 335	335	1	0	0		118.14	53.57		FN0030/21	1			
		RED *	ISDR 335	335	1	0	0		129.75	55.66		FN0030/22	1			
		HIGH GAIN TRIPLICATE (COLOR)														
22C067/060	11:19:59	IR	265.0/305.0	-10	.12	9/1	1	3	REC/UH	16K	-2	159.4/53.6	25/-49	309/15.43:59	03:35.8	
		IR3	ISDR 336	335	2	0	0		115.94	50.41		FN0030/23	1			
		IR2	ISDR 335	335	2	1	1		112.82	50.22		FN0030/24	1			
		IR1 *	ISDR 335	335	2	1	1		116.35	52.39		FN0030/25	1			
		IR OF 7 CHAN SET(3 EVENTS)														
22C068/060	11:29.59	SINGLE	265.0/305.0	-10	.12	14/3	1	3	REC/UH	16K	0	163.3/54.1	29/-50	309/15.53:59	01:13.6	
		SURV	ISDR 342	334	8	0	0		126.83	54.91		FN0030/26	1			
		SURVEY OF 7 CHAN SET(3 EVENTS)														
21C069/061	09:51.21	SINGLE	240.0/275.0	-10	.04	13/2	1	4	RT/UH	16K	2	129.7/45.0	177/-37	310/14.54:56	03:07.0	
		BB3 *	ISDR 875	0	0	1	1		112.63	45.93		FN0030/27	1			
		MORNING RTI HI-RES MOSAIC														
21C070/061	10:29 00	SINGLE	292.5/335.0	-10	.04	3/2	1	4	RT/UH	16K	4	141.3/49.3	186/-43	310/15:32:36	03:52.0	
		RED *	ISDR 705	0	0	359	5		95.57	54.83		FN0030/28	2			
		HI-RES COLOR MOSAIC		(RED)												

VL-2 HIGH-RESOLUTION CAMERA EVENTS IN EVENT ORDER

HIGH—RESOLUTION CAMERA EVENTS IN EVENT ORDER

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
22A001/000	09.48 58	BB1	92.5	160.0	-50	.04	1	4
22A005/000	17:29 59	BB2	80.0	127.5	-30	04	1	4
22A007/001	09·28 56	BB2	80.0	127.5	-30	.04	1	4
22A008/001	10.53 49	BB1	117 5	155 0	-50	.04	1	4
22A009/001	11 14 59	BB1	295.0	305 0	-30	04	1	5
22A010/001	13·42 11	BB1	125.0	125 0	-50	.04	1	4
22A011/001	17.29 59	BB3	60.0	145.0	-10	.04	1	4
22A015/002	13.42 11	BB1	125.0	125.0	-50	.04	1	4
22A020/003	09.24 59	BB1	80.0	160.0	-50	04	1	4
21A023/003	15 53 59	BB1	35.0	40.0	-20	04	1	4
21A024/003	17 49 00	BB3	270.0	297.5	-20	.04	1	4
22A027/004	08·09 00	BB1	305.0	310.0	-20	.04	1	4
21A031/004	17 00 00	BB1	182 5	255.0	-50	04	1	4
21A032/004	17.30 00	BB2	275.0	305.0	-30	.04	1	4
21A034/005	09 21 09	BB3	270.0	297 5	-20	04	1	4
21A039/006	09 19 16	BB1	200.0	280 0	-50	04	1	4
21A040/006	11·00 00	BB1	35 0	60 0	-20	.04	1	4
22A041/006	11:15 00	BB1	295.0	305.0	-30	.04	1	5
21A042/006	11 20 00	BB1	40.0	50 0	-30	.04	1	5
21A044/006	17 30 00	BB2	232.5	275 0	-30	04	1	4
22A046/006	17·40.00	BB2	37.5	47 5	-20	.04	1	4
21A050/007	09.17 23	BB4	200.0	290.0	0	04	1	4
21A052/007	16 00 00	BB2	182.5	232 5	-30	.04	1	4
21A054/008	09 15 33	BB4	260.0	335 0	0	.04	1	4
22A055/008	12 52 11	BB1	135.0	135 0	-40	04	1	4
22A056/008	14.29 59	BB2	37.5	47 5	-20	.04	1	4
21A057/008	14·51 33	BB2	227.5	237 5	-30	.04	1	4
22A058/008	14 53 33	BB2	37.5	47.5	-20	.04	1	4
21A059/008	14 56 33	BB3	162.5	190 0	-10	.04	1	4
21A061/008	17.45 59	BB1	275.0	282 5	-10	.04	1	3
21A062/009	07·49 59	BB2	227 5	237.5	-30	.04	1	4
22A063/009	07.51 59	BB2	37.5	47.5	-20	.04	1	4
21A065/009	08 03 59	BB3	157.5	162 5	-10	.04	1	4
22A067/009	09 13 44	BB4	10.0	90.0	0	.04	1	4
21A068/009	12 00 10	BB1	245.0	245 0	-40	.04	1	4
21A069/009	16 49 58	BB3	190 0	217.5	-10	.04	1	4
22A070/010	07.49 59	BB2	37.5	47 5	-20	04	1	4
21A071/010	09.11 58	BB4	135.0	225.0	0	.04	1	4
22A073/010	12.10 11	BB1	135.0	135.0	-40	.04	1	4
21A074/010	15.44 59	BB1	12.5	27.5	-20	04	1	5
21A075/010	17·29 59	BB3	217.5	265.0	-10	04	1	4
21A076/011	09:10 13	BB4	70.0	160 0	0	.04	1	4
21A078/011	14 30 10	BB1	245 0	245.0	-40	.04	1	4
21A079/012	09 06 03	BB1	212.5	327.5	-50	04	1	4
21A080/012	09·40 48	BB1	175.0	250.0	-50	04	1	4
21A085/012	15.15 10	BB1	260.0	260 0	-40	.04	1	4
22A088/013	09:04 23	BB2	77.5	200 0	-30	.04	1	4
22A089/013	09:39 08	BB2	10.0	90.0	-30	.04	1	4
21A090/013	11:06 32	BB1	35.0	60 0	-20	.04	1	4
22A091/013	14.24·10	BB1	90.0	90 0	-40	.04	1	4
22A093/013	17:19·59	BB3	145.0	182.5	-10	.04	1	4
22A095/014	06·05:59	BB1	55.0	130 0	-50	.04	1	3
22A096/014	09:02 45	BB3	77.5	200.0	-10	.04	1	4
22A097/014	09·37:31	BB3	10 0	90.0	-10	04	1	4
21A098/014	13:57.11	BB1	260.0	260.0	-40	.04	1	4
22A103/014	17·29:59	BB2	157.5	182.5	-30	.04	1	4
22A104/014	17·53:59	BB4	182 5	230.0	-10	.04	1	4
22A105/015	09.01.09	BB4	220.0	335.0	0	.04	1	4
22A106/015	09.35 54	BB4	160 0	235.0	0	.04	1	4
22A107/015	13.42:10	BB1	90 0	90.0	-40	.04	1	4
21A108/015	14·49.59	BB4	27 5	65.0	-10	04	1	4
21A110/015	16.59·59	BB2	227.5	237.5	-30	.04	1	4
21A111/015	17 54:59	BB3	285.0	315 0	-10	.04	1	4
21A114/016	08.59 37	BB2	215 0	332.5	-30	04	1	4
21A115/016	09·34·22	BB2	152 5	227.5	-30	.04	1	4
21A117/016	13:39:10	BB1	260.0	260.0	-40	.04	1	4
22A118/016	17.17 59	BB4	10 0	67.5	0	04	1	4
22A119 '016	17·25.59	BB3	167 5	187.5	-30	.04	1	4
22A121/016	17·39·59	BB3	12.5	60.0	-20	.04	1	4
21A122/017	08.57 40	BB4	135.0	185 0	-10	04	1	4
21A123/017	09 32·34	BB4	182 5	257.5	-10	.04	1	4
22A124/017	10 02·58	BB1	290 0	295.0	-20	.04	1	3
21A125/017	11:19 59	BB1	40 0	57.5	-30	04	1	5
22A126/017	12.25·10	BB1	135 0	135.0	-40	.04	1	4
21A127/017	17 29·58	BB4	60 0	75 0	0	.04	1	4
21A128/017	17:49.58	BB2	157.5	182 5	-30	04	1	4
21A129/018	08.58 55	BB4	15 0	65.0	-10	.04	1	4
21A130/018	09 33:50	BB4	255 0	330.0	-10	.04	1	4
21A131/018	13:21.11	BB1	260.0	260 0	-40	.04	1	4
21A132/018	17.19·59	BB1	252 5	292.5	-50	.04	1	4
22A133/018	17 24 59	BB3	285 0	315.0	-10	.04	1	4
21A134/018	17:29.59	BB4	30.0	60.0	-10	.04	1	4
22A135/018	17.34 59	BB4	270 0	335.0	0	.04	1	4
22A136/019	08:57.30	BB4	10 0	60.0	0	.04	1	4
22A137/019	09·32:24	BB4	57 5	132 5	-10	.04	1	4
22A138/019	.2.25·10	BB3	67.5	67.5	-10	04	1	4
21A139/019	17:19.59	BB4	75.0	125 0	0	04	1	4
22A140/019	17.27·59	BB4	235.0	272.5	0	.04	1	4
22A141/019	17·34·59	BB4	185 0	235.0	-10	.04	1	4
21A142/019	17.41:59	BB4	125 0	165.0	10	.04	1	4
22A143/019	17·49.59	BB4	67.5	107.5	-10	.04	1	4
21A146/020	13.21:10	BB1	260.0	260 0	-40	.04	1	4
21A147/020	17.19:43	BB4	165 0	215.0	0	.04	1	4
22A148/020	17.29:43	BB4	107 5	185.0	-10	.04	1	4
21A149/020	17·37:43	BB4	215 0	260.0	0	.04	1	4
21A150/020	17.44·43	BB3	125.0	147.5	-10	.04	1	4
21A151/020	17.49 43	BB4	260 0	282.5	-10	.04	1	4
22A154/021	10·10:58	BB2	115 0	125.0	-30	.04	1	4
22A155/021	10:14.18	BB2	115.0	125.0	-30	.04	1	4
22A156/021	10:18·18	BB2	115.0	125.0	-30	.04	1	4
21A161/021	17:29:42	BB4	282.5	302.5	-10	.04	1	4
22A162/021	17:39:59	BB2	115.0	125.0	-30	.04	1	4

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HIGH—RESOLUTION CAMERA EVENTS IN EVENT ORDER

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
22A163/021	17·54 59	BB2	127.5	157.5	-30	.04	1	4
21A164/022	07 09 59	BB4	142 5	250.0	0	04	1	4
21A167/022	13 20 54	BB1	260.0	260.0	-40	.04	1	4
21A168/022	17 29 42	BB4	302 5	335 0	-10	.04	1	4
21A174/023	06.49 4'	BB2	262 5	305 0	-30	.04	1	4
22A176/023	06.59 4'	BB1	115 0	162 5	-50	.04	1	4
22A178/023	07 09:4'	BB2	77.5	127.5	-30	.04	1	4
21A193/024	06.59 59	BB2	305 0	322 5	-40	.04	1	4
21A197/024	14 33·1'	BB1	260.0	260 0	-40	04	1	4
21A204/025	06·54 58	BB4	27 5	62.5	-10	.04	1	4
22A205/025	06 59·58	BB1	52 5	110 0	-50	.04	1	4
22A206/025	07 06 58	BB3	127 5	192 5	-30	04	1	4
22A207/025	07.14 58	BB3	265 0	307 5	-10	04	1	4
21A216/025	17·29 59	BB3	260 0	285 0	-20	.04	1	4
21A219/026	13·15 1'	BB1	260 0	260.0	-40	.04	1	4
22A220/027	06 59 59	BB4	117 5	215.0	-10	.04	1	4
21A221/027	12 06 16	BB4	122 5	250 0	0	.04	1	4
21A222/027	12:44 0'	BB4	250 0	295 0	-10	.04	1	4
22A223/028	06.54 59	BB4	215 0	325 0	0	.04	1	4
21A225/028	12 07 23	BB3	130.0	260 0	-20	04	1	4
21A226/028	12 45 08	BB4	290.0	335 0	-10	.04	1	4
21A227/028	16 11·13	BB2	230 0	240 0	-20	.04	1	4
21A229/028	17.46 27	BB2	290 0	300 0	-30	.04	1	4
21A230/028	18 04.59	BB2	230 0	240 0	-20	.04	1	4
22A236/029	06 44 59	BB4	60 0	117 5	-10	.04	1	4
21A237/029	12 05 4'	BB4	10.0	140.0	0	04	1	4
21A239/029	12:43 26	BB4	30 0	75 0	-20	.04	1	4
22A239/029	13 40 38	BB2	115.0	125 0	-30	04	1	4
21A241/029	14.07 26	BB2	290 0	300 0	-30	.04	1	4
22A242/029	14 19 59	BB2	115.0	125 0	-30	.04	1	4
22A243/030	06.44 59	BB1	110.0	115 0	-50	.04	1	4
21A246/030	11.07 27	BB2	290.0	300 0	-30	04	1	4
22A247/030	11.13 10	BB2	115 0	125 0	-30	.04	1	4
21A248/030	11.31 04	BB2	282.5	292 5	-30	.04	1	4
22A249/030	11 32 47	BB2	90 0	100 0	-30	.04	1	4
21A250/030	11.36.04	BB2	282.5	292.5	-30	.04	1	4
22A251/030	11 37 47	BB2	90 0	100 0	-30	04	1	4
22A252/030	12 06 09	BB4	90 0	220.0	-10	04	1	4
22A253/030	12:38 18	BB4	210.0	260 0	0	.04	1	4
22A255/030	15 00 00	BB4	7 5	10.0	0	04	1	4
22B000/031	06 39 59	BB4	7 5	115 0	0	.04	1	4
21B001/031	06 51 59	BB4	250.0	265 0	0	.04	1	4
22B002/031	07·20 59	BB3	7.5	60.0	-10	.04	1	4
22B003/031	12 01 37	BB4	235.0	335.0	0	.04	1	4
22B004/031	12 37 03	BB4	7.5	87.5	0	04	1	4
22B005/031	15 00 00	BB1	75.0	77.5	-50	.04	1	4
21B008/032	06.29 59	BB4	45 0	75.0	0	.04	1	4
21B009/032	06.39 59	BB4	260 0	335.0	-10	.04	1	4
21B010/032	06.49 59	BB4	75.0	142.5	0	.04	1	4
22B012/032	11:59.19	BB2	95.0	200.0	-30	.04	1	4
22B013/032	12·34 45	BB3	25.0	95.0	-10	.04	1	4
22B014/032	14.59:59	BB3	10.0	12.5	-20	.04	1	4
21B015/033	06.44.59	BB1	177 5	257.5	-50	.04	1	4
22B020/033	10.29·59	BB1	285 0	290.0	-20	.04	1	4
21B021/033	11·56 52	BB1	170 0	270 0	-40	04	1	4
21B022/033	12·32.18	BB3	240.0	310 0	-30	.04	1	4
22B025/034	06·45 00	BB2	10.0	20.0	-30	04	1	4
22B028/034	10.41:36	BB2	102 5	112.5	-30	.04	1	4
21B029/034	10·43:21	BB2	292.5	302 5	-30	.04	1	4
22B030/034	10:48 10	BB2	102.5	112 5	-30	04	1	4
21B031/034	10.49:55	BB2	292 5	302.5	-30	.04	1	4
21B032/034	11·54 18	BB2	150 0	250 0	-20	.04	1	4
21B033/034	12 29 44	BB1	210 0	280.0	-50	.04	1	4
21B034/035	11:51.55	BB3	150.0	225 0	-10	04	1	4
21B035/035	12:30·10	BB2	277.5	315.0	-40	.04	1	4
21B039/036	06.49:59	BB4	215 0	260 0	-10	.04	1	4
21B040/036	07 00.59	BB2	150.0	265.0	-30	.04	1	4
22B041/036	07:39 59	BB1	25.0	32.5	-20	04	1	4
22B044/036	11.49:12	BB3	115 0	190 0	-30	.04	1	4
22B045/036	12·27.27	BB2	10.0	47.5	-30	04	1	4
22B046/037	11:46.21	BB2	45.0	120.0	-30	.04	1	4
22B047/037	12·24·36	BB2	95.0	140 0	-30	04	1	4
21B048/037	16:10·30	BB2	292 5	302.5	-30	04	1	4
21B049/037	16 16·11	BB2	292.5	302 5	-30	04	1	4
21B051/037	17:39 58	BB2	292 5	302.5	-30	.04	1	4
21B054/038	07:00 00	BB3	120.0	215.0	-10	.04	1	4
22B056/038	10:30 00	BB1	290 0	310.0	-30	.04	1	4
22B057/038	11 43:23	BB1	90.0	165.0	-50	04	1	4
22B058/038	12·21 38	BB1	55 0	92.5	-50	04	1	4
21B059/038	17 29.59	BB3	145 0	192 5	-10	.04	1	4
21B060/038	17 39.59	BB1	252.5	330 0	-50	.04	1	4
22B061/039	06 45.00	BB2	15.0	90 0	-30	.04	1	4
22B090/041	17:29·59	BB4	185.0	195.0	-20	04	1	4
22B091/041	17 32:59	BB2	55.0	85.0	-30	.04	1	4
21B093/042	06:49 59	BB2	305.0	330 0	-40	.04	1	4
21B094/042	06·54:59	BB1	257.5	292.5	-50	.04	1	4
21B095/042	08 59.59	BB4	135.0	192 5	0	.04	1	4
21B096/042	09:07 59	BB4	235.0	255 0	-10	04	1	4
22B098/042	10.29 59	BB1	285 0	290.0	-20	.04	1	4
22B116/045	10.11 39	BB3	117.5	127.5	-30	04	1	4
22B117/045	10.14·54	BB3	117 5	127.5	-30	.04	1	4
22B118/045	10 23.19	BB2	22.5	32 5	-20	.04	1	4
21B119/045	10·25 19	BB2	210.0	220.0	-30	04	1	4
22B120/045	10:29·59	BB2	22.5	32.5	-20	04	1	4
21B121/045	10.32:59	BB2	210 0	220 0	-30	04	1	4
21B138/047	06.59 59	BB2	227 5	237.5	-30	04	1	4
22B139/047	07.04:59	BB2	37 5	47.5	-20	.04	1	4
22B146/047	13.20·49	BB2	40 0	50.0	0	.04	1	4
21B148/048	06:11·59	BB2	227.5	237.5	-30	04	1	4
22B149/048	06·13·59	BB2	37.5	47.5	-20	.04	1	4
21B195/050	17:30.00	BB2	177.5	237.5	-30	.04	1	4
21B198/051	06:35:59	BB2	210.0	220.0	-30	.04	1	4

HIGH—RESOLUTION CAMERA EVENTS IN EVENT ORDER

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
22B199/051	06 37.59	BB2	22 5	32 5	-20	.04	1	4
21B200/051	06 50·59	BB2	210 0	220 0	-30	04	1	4
21B201/051	06.57.00	BB2	210.0	220 0	-30	.04	1	4
21B203/051	09 05 26	BB2	290.0	300 0	-30	.04	1	4
21B204/051	10.24 59	BB2	210 0	220.0	-30	.04	1	4
22B205/051	10 26 59	BB2	22 5	32 5	-20	.04	1	4
22B211/051	17 20·00	BB4	265.0	305 0	-20	04	1	4
22B212/051	17·25·00	BB1	7 5	17 5	-30	.04	1	4
21B213/051	17·30.00	BB4	50 0	65.0	0	04	1	4
21B214/051	17 35·00	BB2	305 0	335 0	-30	.04	1	3
22B215/051	17 45·00	BB1	45.0	165 0	-50	.04	1	3
22B230/054	06·59 00	BB4	115 0	130 0	-10	04	7	2
22B231/054	07.05·00	BB4	115.0	175 0	-10	.04	2	3
22C021/056	14 01.48	BB3	290 0	295.0	-20	04	1	4
22C022/056	14.10 12	BB1	85.0	92 5	-10	.04	1	4
22C023/056	14·29 45	BB2	85.0	95 0	-30	04	1	4
22C024/056	14·42 39	BB3	290.0	297 5	-20	04	1	4
22C025/056	14 50 36	BB1	85 0	92 5	-10	.04	1	4
22C026/056	14 54 24	BB1	85.0	92 5	-10	04	1	4
21C027/056	14 59 25	BB1	282.5	290 0	-30	.04	1	4
21C028/056	15 01 59	BB1	282.5	290 0	-30	.04	1	4
21C029/056	15 04 29	BB1	282.5	290 0	-30	.04	1	4
22C030/056	15·11 54	BB3	290 0	295 0	-20	04	1	4
21C031/056	17:27.59	BB2	280 0	290.0	-30	.04	1	4
22C032/056	17 30 59	BB2	85.0	95 0	-30	.04	1	4
22C033/057	06 50 20	BB1	115 0	125.0	-50	.04	1	4
22C034/057	06.52.45	BB1	115 0	125 0	-50	04	1	4
22C035/057	06 55·12	BB1	115 0	125.0	-50	.04	1	4
21C036/057	07.01·57	BB3	315 0	335.0	-30	.04	1	4
22C039/057	07 35 14	BB1	285 0	297.5	-10	04	1	4
21C041/057	09.30 59	BB2	290 0	300.0	-30	.04	1	4
22C042/057	09.32.59	BB2	90.0	100.0	-40	.04	1	4
21C044/057	09 38.59	BB2	280.0	290 0	-30	04	1	4
22C045/057	09:40 59	BB2	85.0	95 0	-30	.04	1	4
22C053/058	09.39 00	BB2	85.0	95.0	-30	.04	1	4
21C069/061	09.51·21	BB3	240.0	275.0	-10	.04	1	4

VL-2 HIGH-RESOLUTION CAMERA EVENTS SORTED BY TIME OF DAY

HIGH—RESOLUTION CAMERA EVENTS SORTED BY TIME OF DAY

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
HOUR 06								
22A095/014	06.05 59	BB1	55.0	130.0	-50	.04	1	3
21B148/048	06·11.59	BB2	227.5	237.5	-30	.04	1	4
22B149/048	06.13.59	BB2	37.5	47.5	-20	.04	1	4
21B008/032	06.29.59	BB4	45.0	75.0	0	.04	1	4
21B198/051	06.35·59	BB2	210.0	220 0	-30	.04	1	4
22B199/051	06·37·59	BB2	22 5	32.5	-20	.04	1	4
22B000/031	06 39 59	BB4	7 5	115.0	0	.04	1	4
21B009/032	06.39 59	BB4	260.0	335.0	-10	.04	1	4
22A236/029	06.44·59	BB4	60.0	117 5	-10	.04	1	4
22A243/030	06:44·59	BB1	110.0	115.0	-50	.04	1	4
21B015/033	06 44 59	BB1	177.5	257 5	-50	.04	1	4
22B025/034	06·45·00	BB2	10.0	20.0	-30	.04	1	4
22B061/039	06·45 00	BB2	15.0	90.0	-30	.04	1	4
21A174/023	06:49 41	BB2	262.5	305.0	-30	.04	1	4
21B010/032	06 49 59	BB4	75.0	142.5	0	.04	1	4
21B039/036	06 49.59	BB4	215.0	260 0	-10	.04	1	4
21B093/042	06.49 59	BB2	305.0	330.0	-40	.04	1	4
22C033/057	06:50 20	BB1	115.0	125.0	-50	.04	1	4
21B200/051	06 50 59	BB2	210.0	220.0	-30	.04	1	4
21B001/031	06·51.59	BB4	250.0	265 0	0	.04	1	4
22C034/057	06.52.45	BB1	115.0	125.0	-50	.04	1	4
21A204/025	06·54·58	BB4	27.5	62 5	-10	.04	1	4
22A223/028	06 54 59	BB4	215.0	325 0	0	.04	1	4
21B094/042	06·54.59	BB1	257.5	292.5	-50	.04	1	4
22C035/057	06.55 12	BB1	115.0	125.0	-50	.04	1	4
21B201/051	06·57·00	BB2	210.0	220.0	-30	.04	1	4
22B230/054	06:59·00	BB4	115.0	130.0	-10	.04	7	2
22A176/023	06.59 41	BB1	115.0	162.5	-50	.04	1	4
22A205/025	06·59 58	BB1	52.5	110.0	-50	.04	1	4
21A193/024	06·59.59	BB2	305.0	322.5	-40	.04	1	4
22A220/027	06:59 59	BB4	117.5	215.0	-10	.04	1	4
21B138/047	06.59 59	BB2	227.5	237.5	-30	.04	1	4
HOUR 07								
21B054/038	07·00.00	BB3	120.0	215.0	-10	.04	1	4
21B040/036	07:00 59	BB2	150.0	265 0	-30	.04	1	4
21C036/057	07:01 57	BB3	315.0	335.0	-30	04	1	4
22B139/047	07.04.59	BB2	37.5	47.5	-20	.04	1	4
22B231/054	07.05·00	BB4	115.0	175.0	-10	04	2	3
22A206/025	07:06 58	BB3	127.5	192 5	-30	.04	1	4
22A178/023	07:09.41	BB2	77.5	127 5	-30	.04	1	4
21A164/022	07:09 59	BB4	142.5	250.0	0	04	1	4
22A207/025	07·14·58	BB3	265.0	307.5	-10	.04	1	4
22B002/031	07.20:59	BB3	7.5	60.0	-10	.04	1	4
22C039/057	07.35 14	BB1	285.0	297.5	-10	.04	1	4
22B041/036	07.39.59	BB1	25.0	32.5	-20	.04	1	4
21A062/009	07.49:59	BB2	227.5	237.5	-30	.04	1	4
22A070/010	07·49.59	BB2	37.5	47.5	-20	.04	1	4
22A063/009	07.51:59	BB2	37.5	47.5	-20	.04	1	4
HOUR 08								
21A065/009	08·03.59	BB3	157.5	162 5	-10	.04	1	4
22A027/004	08:09.00	BB1	305.0	310.0	-20	.04	1	4
22A136/019	08·57.30	BB4	10.0	60.0	0	.04	1	4
21A122/017	08:57:40	BB4	135.0	185.0	-10	.04	1	4
21A129/018	08.58·55	BB4	15.0	65.0	-10	.04	1	4
21A114/016	08.59 37	BB2	215.0	332.5	-30	.04	1	4
21B095/042	08:59.59	BB4	135.0	192.5	0	.04	1	4
HOUR 09								
22A105/015	09·01.09	BB4	220.0	335.0	0	.04	1	4
22A096/014	09.02 45	BB3	77.5	200.0	-10	.04	1	4
22A088/013	09.04:23	BB2	77.5	200.0	-30	.04	1	4
21B203/051	09:05.26	BB2	290.0	300.0	-30	.04	1	4
21A079/012	09 06:03	BB1	212.5	327 5	-50	.04	1	4
21B096/042	09 07 59	BB4	235.0	255.0	-10	.04	1	4
21A076/011	09:10 13	BB4	70.0	160.0	0	.04	1	4
21A071/010	09.11 58	BB4	135.0	225.0	0	04	1	4
22A067/009	09 13.44	BB4	10.0	90 0	0	.04	1	4
21A054/008	09:15.33	BB4	260.0	335.0	0	.04	1	4
21A050/007	09.17 23	BB4	200 0	290 0	0	.04	1	4
21A039/006	09.19·16	BB1	200.0	280.0	-50	.04	1	4
21A034/005	09·21:09	BB3	270.0	297.5	-20	.04	1	4
22A020/003	09·24 59	BB1	80.0	160.0	-50	.04	1	4
22A007/001	09:28·56	BB2	80 0	127.5	-30	.04	1	4
21C041/057	09 30·59	BB2	290.0	300.0	-30	.04	1	4
22A137/019	09·32:24	BB4	57.5	132.5	-10	.04	1	4
21A123/017	09.32 34	BB4	182.5	257.5	-10	.04	1	4
22C042/057	09.32·59	BB2	90 0	100.0	-40	.04	1	4
21A130/018	09 33 50	BB4	255.0	330 0	-10	.04	1	4
21A115/016	09:34 22	BB2	152.5	227.5	-30	.04	1	4
22A106/015	09:35 54	BB4	160.0	235.0	0	.04	1	4
22A097/014	09.37 31	BB3	10.0	90 0	-10	.04	1	4
21C044/057	09.38:59	BB2	280.0	290.0	-30	.04	1	4
22C053/058	09.39·00	BB2	85.0	95.0	-30	.04	1	4
22A089/013	09:39:08	BB2	10.0	90.0	-30	.04	1	4
21A080/012	09.40 48	BB1	175.0	250.0	-50	.04	1	4
22C045/057	09:40.59	BB2	85.0	95.0	-30	.04	1	4
22A001/000	09.48:58	BB1	92.5	160.0	-50	.04	1	4
21C069/061	09:51:21	BB3	240.0	275.0	-10	.04	1	4

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HIGH-RESOLUTION CAMERA EVENTS SORTED BY TIME OF DAY

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
HOUR 1								
22A124/017	10:02.58	BB1	290.0	295.0	-20	.04	1	3
22A154/021	10:10 58	BB2	115.0	125 0	-30	.04	1	4
22B116/045	10.11:39	BB3	117.5	127.5	-30	.04	1	4
22A155/021	10:14.18	BB2	115.0	125.0	-30	.04	1	4
22B117/045	10:14 54	BB3	117.5	127.5	-30	.04	1	4
22A156/021	10:18 18	BB2	115.0	125 0	-30	.04	1	4
22B118/045	10:23 19	BB2	22.5	32 5	-20	.04	1	4
21B204/051	10:24 59	BB2	210.0	220 0	-30	.04	1	4
21B119/045	10:25:19	BB2	210.0	220.0	-30	.04	1	4
22B205/051	10.26:59	BB2	22.5	32 5	-20	.04	1	4
22B020/033	10.29 59	BB1	285.0	290 0	-20	.04	1	4
22B098/042	10:29 59	BB1	285.0	290 0	-20	.04	1	4
22B120/045	10:29 59	BB2	22.5	32 5	-20	.04	1	4
22B056/038	10.30 00	BB1	290.0	310 0	-30	.04	1	4
21B121/045	10.32:59	BB2	210.0	220 0	-30	.04	1	4
22B028/034	10:41.36	BB2	102.5	112.5	-30	.04	1	4
21B029/034	10:43.21	BB2	292.5	302.5	-30	.04	1	4
22B030/034	10:48:10	BB2	102.5	112 5	-30	.04	1	4
21B031/034	10.49 55	BB2	292.5	302 5	-30	.04	1	4
22A008/001	10:53.49	BB1	117.5	155.0	-50	.04	1	4
HOUR 11								
21A040/006	11:00.00	BB1	35.0	60.0	-20	.04	1	4
21A090/013	11.06.32	BB1	35.0	60 0	-20	.04	1	4
21A246/030	11:07:27	BB2	290.0	300 0	-30	.04	1	4
22A009/001	11:14 59	BB1	295.0	305.0	-30	.04	1	5
22A041/006	11:15.00	BB1	295.0	305.0	-30	.04	1	5
22A247/030	11:18.10	BB2	115.0	125.0	-30	.04	1	4
21A125/017	11:19 59	BB1	40.0	57.5	-30	.04	1	5
21A042/006	11:20:00	BB1	40 0	50.0	-30	.04	1	5
21A248/030	11:31:04	BB2	282 5	292.5	-30	.04	1	.4
22A249/030	11:32 47	BB2	90 0	100 0	-30	.04	1	4
21A250/030	11:36.04	BB2	282.5	292.5	-30	.04	1	4
22A251/030	11:37.47	BB2	90.0	100 0	-30	.04	1	4
22B057/038	11:43 23	BB1	90.0	165 0	-50	.04	1	4
22B046/037	11:46:21	BB2	45.0	120.0	-30	.04	1	4
22B044/036	11:49 12	BB3	115.0	190.0	-30	.04	1	4
21B034/035	11:51:55	BB3	150.0	225.0	-10	.04	1	4
21B032/034	11:54.18	BB2	150.0	250.0	-20	.04	1	4
21B021/033	11:56:52	BB1	170.0	270.0	-40	.04	1	4
22B012/032	11:59.19	BB2	95.0	200.0	-30	.04	1	4
HOUR 12								
21A068/009	12:00:10	BB1	245.0	245.0	-40	.04	1	4
22B003/031	12:01.37	BB4	235.0	335.0	0	.04	1	4
21A237/029	12.05 41	BB4	10.0	140 0	0	04	1	4
22A252/030	12:06 09	BB4	90 0	220.0	-10	.04	1	4
21A221/027	12:06 16	BB4	122.5	250.0	0	.04	1	4
21A225/028	12.07:23	BB3	130.0	260.0	-20	.04	1	4
22A073/010	12.10:11	BB1	135.0	135.0	-40	.04	1	4
22B058/038	12:21 38	BB1	55.0	92.5	-50	.04	1	4
22B047/037	12.24:36	BB2	95.0	140.0	-30	.04	1	4
22A126/017	12.25 10	BB1	135.0	135.0	-40	04	1	4
22A138/019	12:25:10	BB3	67.5	67.5	-10	.04	1	4
22B045/036	12.27 27	BB2	10.0	47.5	-30	.04	1	4
21B033/034	12:29 44	BB1	210.0	280.0	-50	.04	1	4
21B035/035	12.30 10	BB2	277.5	315.0	-40	.04	1	4
21B022/033	12.32 18	BB3	240.0	310.0	-30	04	1	4
22B013/032	12:34 45	BB3	25.0	95.0	-10	04	1	4
22B004/031	12:37 03	BB4	7 5	87.5	0	.04	1	4
22A253/030	12:38.18	BB4	210.0	260.0	0	04	1	4
21A238/029	12:43 26	BB4	30.0	75 0	-20	.04	1	4
21A222/027	12:44 01	BB4	250.0	295.0	-10	.04	1	4
21A226/028	12:45.08	BB4	290.0	335.0	-10	.04	1	4
22A055/008	12.52:11	BB1	135.0	135.0	-40	.04	1	4
HOUR 13								
21A219/026	13:15:11	BB1	260.0	260.0	-40	.04	1	4
22B146/047	13:20 49	BB2	40.0	50.0	0	.04	1	4
21A167/022	13:20 54	BB1	260.0	260.0	-40	.04	1	4
21A146/020	13:21 10	BB1	260.0	260 0	-40	04	1	4
21A131/018	13:21:11	BB1	260.0	260 0	-40	.04	1	4
21A117/016	13:39 10	BB1	260.0	260.0	-40	.04	1	4
22A239/029	13.40 38	BB2	115.0	125.0	-30	04	1	4
22A107/015	13:42.10	BB1	90 0	90.0	-40	.04	1	4
22A010/001	13.42 11	BB1	125 0	125 0	-50	.04	1	4
22A015/002	13:42 11	BB1	125.0	125.0	-50	.04	1	4
21A098/014	13.57.11	BB1	260.0	260.0	-40	.04	1	4
HOUR 14								
22C021/056	14:01 48	BB3	290.0	295 0	-20	04	1	4
21A241/029	14:07.26	BB2	290.0	300 0	-30	.04	1	4
22C022/056	14:10 12	BB1	85.0	92.5	-10	.04	1	4
22A242/029	14.19.59	BB2	115.0	125.0	-30	04	1	4
22A091/013	14.24 10	BB1	90.0	90.0	-40	.04	1	4
22C023/056	14:29:45	BB2	85.0	95.0	-30	.04	1	4
22A056/008	14.29:59	BB2	37.5	47.5	-20	.04	1	4
21A078/011	14:30:10	BB1	245.0	245.0	-40	.04	1	4
21A197/024	14:33:11	BB1	260.0	260.0	-40	.04	1	4
22C024/056	14:42:39	BB3	290.0	297.5	-20	.04	1	4
21A108/015	14:49:59	BB4	27.5	65.0	-10	.04	1	4

HIGH—RESOLUTION CAMERA EVENTS SORTED BY TIME OF DAY

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
22C025/056	14:50 36	BB1	85.0	92.5	-10	.04	1	4
21A057/008	14·51·33	BB2	227.5	237.5	-30	.04	1	4
22A058/008	14:53:33	BB2	37.5	47.5	-20	.04	1	4
22C026/056	14:54·24	BB1	85.0	92.5	-10	.04	1	4
21A059/008	14 56·33	BB3	162.5	190.0	-10	.04	1	4
21C027/056	14:59 25	BB1	282.5	290.0	-30	.04	1	4
22B014/032	14:59·59	BB3	10.0	12.5	-20	.04	1	4
HOUR 15								
22A255/030	15:00.00	BB4	7.5	10.0	0	.04	1	4
22B005/031	15:00.00	BB1	75.0	77.5	-50	.04	1	4
21C028/056	15·01·59	BB1	282.5	290.0	-30	.04	1	4
21C029/056	15·04 29	BB1	282.5	290.0	-30	.04	1	4
22C030/056	15:11·54	BB3	290.0	295.0	-20	.04	1	4
21A085/012	15:15.10	BB1	260.0	260.0	-40	.04	1	4
21A074/010	15.44.59	BB1	12.5	27.5	-20	.04	1	5
21A023/003	15:53:59	BB1	35.0	40.0	-20	.04	1	4
HOUR 16								
21A052/007	16.00 00	BB2	182.5	232.5	-30	.04	1	4
21B048/037	16:10 30	BB2	292.5	302.5	-30	.04	1	4
21A227/028	16:11.13	BB2	230.0	240.0	-20	.04	1	4
21B049/037	16:16.11	BB2	292.5	302.5	-30	.04	1	4
21A069/009	16:49:58	BB3	190.0	217.5	-10	.04	1	4
21A110/015	16.59.59	BB2	227.5	237.5	-30	.04	1	4
HOUR 17								
21A031/004	17:00·00	BB1	182.5	255.0	-50	.04	1	4
22A118/016	17.17.59	BB4	10.0	67.5	0	.04	1	4
21A147/020	17:19.43	BB4	165.0	215.0	0	.04	1	4
22A093/013	17:19 59	BB3	145.0	182.5	-10	.04	1	4
21A132/018	17·19.59	BB1	252.5	292.5	-50	.04	1	4
21A139/019	17:19 59	BB4	75.0	125 0	0	.04	1	4
22B211/051	17.20.00	BB4	265.0	305.0	-20	.04	1	4
22A133/018	17:24 59	BB3	285.0	315 0	-10	04	1	4
22B212/051	17.25.00	BB1	7.5	17.5	-30	.04	1	4
22A119/016	17:25 59	BB3	167.5	187.5	-30	.04	1	4
22A140/019	17:27 59	BB4	235.0	272.5	0	.04	1	4
21C031/056	17:27.59	BB2	280.0	290.0	-30	.04	1	4
21A161/021	17.29.42	BB4	282 5	302.5	-10	.04	1	4
21A168/022	17:29.42	BB4	302.5	335.0	-10	.04	1	4
22A148/020	17:29.43	BB4	107.5	185.0	-10	.04	1	4
21A127/017	17:29·58	BB4	60.0	75.0	0	.04	1	4
22A005/000	17:29·59	BB2	80.0	127.5	-30	.04	1	4
22A011/001	17:29:59	BB3	60.0	145.0	-10	.04	1	4
21A075/010	17.29 59	BB3	217.5	265.0	-10	.04	1	4
22A103/014	17.29 59	BB2	157.5	182 5	-30	04	1	4
21A134/018	17·29 59	BB4	30.0	60.0	-10	.04	1	4
21A216/025	17·29·59	BB3	260.0	285 0	-20	.04	1	4
21B059/038	17:29.59	BB3	145.0	192 5	-10	.04	1	4
22B090/041	17.29·59	BB4	185 0	195 0	-20	04	1	4
21A032/004	17·30 00	BB2	275.0	305 0	-30	.04	1	4
21A044/006	17:30.00	BB2	232.5	275.0	-30	.04	1	4
21B195/050	17·30 00	BB2	177.5	237.5	-30	.04	1	4
21B213/051	17:30·00	BB4	50.0	65.0	0	.04	1	4
22C032/056	17.30.59	BB2	85 0	95 0	-30	.04	1	4
22B091/041	17:32·59	BB2	55.0	85.0	-30	.04	1	4
22A135/018	17 34 59	BB4	270.0	335.0	0	.04	1	4
22A141/019	17.34 59	BB4	185.0	235.0	-10	04	1	4
21B214/051	17 35 00	BB2	305.0	335.0	-30	.04	1	3
21A149/020	17.37·43	BB4	215 0	260.0	0	.04	1	4
21B05[illegible]/037	17.39 58	BB2	292.5	302 5	-30	.04	1	4
22A121/016	17.39.59	BB3	12.5	60 0	-20	.04	1	4
22A162/021	17.39 59	BB2	115 0	145.0	-30	.04	1	4
21B060/038	17:39·59	BB1	252.5	330.0	-50	.04	1	4
22A046/006	17.40:00	BB2	37.5	47.5	-20	.04	1	4
21A142/019	17·41.59	BB4	125.0	165 0	10	04	1	4
21A150/020	17 44·43	BB3	125.0	147 5	-10	.04	1	4
22B215/051	17·45·00	BB1	45.0	165 0	-50	.04	1	3
21A061/008	17·45 59	BB1	275.0	282 5	-10	.04	1	3
21A229/028	17.46.27	BB2	290.0	300 0	-30	.04	1	4
21A024/003	17:49:00	BB3	270.0	297 5	-20	.04	1	4
21A151/020	17.49:43	BB4	260 0	282.5	-10	04	1	4
21A128/017	17·49.58	BB2	157.5	182.5	-30	.04	1	4
22A143/019	17.49 59	BB4	67.5	107.5	-10	.04	1	4
22A104/014	17:53:59	BB4	182.5	230.0	-10	.04	1	4
21A111/015	17:54.59	BB3	285.0	315.0	-10	.04	1	4
22A163/021	17:54.59	BB2	127.5	157.5	-30	.04	1	4
HOUR 18								
21A230/028	18:04:59	BB2	230.0	240.0	-20	.04	1	4

VL-2

SUN IMAGERY CAMERA EVENTS

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
21A047/006	17.57.00	SUN	132.5	167 5	10	.12	1	2
21A049/007	06 12.00	SUN	285.0	320.0	10	.12	1	1
21A112/015	18 22 25	SUN	152.5	157.5	30	.04	1	3
21A113/015	19.07.25	SUN	160.0	165.0	20	.04	1	2
21A169/022	18.06.16	SUN	150.0	155.0	30	.04	1	3
21A170/022	18.40 01	SUN	155.0	160.0	30	04	1	3
22A201/025	05.21.31	SUN	122.5	127.5	10	.04	1	2
22A202/025	06 06 31	SUN	130.0	135.0	10	.04	1	3
22A203/025	06 46 31	SUN	137.5	142.5	20	.04	1	3
21A231/028	18.18 11	SUN	152 5	155.0	30	.04	1	3
21A232/028	19 03 11	SUN	160.0	162.5	20	.04	1	2
21B006/031	18.06.00	SUN	150 0	152.5	30	.04	1	3
21B007/031	19 04 00	SUN	160.0	162 5	20	04	1	2
22B081/040	05.19 59	SUN	125.0	127.5	10	04	1	1
22B082/040	06 02 44	SUN	132 5	135.0	10	.04	1	3
22B083/040	06 43 59	SUN	140.0	142.5	20	.04	1	4
22B105/044	05.29 23	SUN	127.5	130.0	10	.04	1	1
22B106/044	05 59 23	SUN	132 5	135.0	10	.04	1	2
21B160/048	18 01 02	SUN	147.5	150.0	30	.04	1	3
21B161/048	18 42 29	SUN	155.0	157 5	20	04	1	2
21B222/052	16 52 41	SUN	132.5	137.5	30	.04	1	3
21B223/052	17.57 41	SUN	145.0	150.0	30	.04	1	3
21B224/052	18 42.41	SUN	152.5	157.5	20	.04	1	2
21B242/054	16:52.42	SUN	132.5	137.5	30	.04	1	3
21B247/054	17.57 41	SUN	145.0	150.0	30	.04	1	3
21C000/054	18.38.59	SUN	152.5	157.5	20	.04	1	2
22C005/055	05:13 55	SUN	125.0	130.0	0	.04	1	0
22C006/055	05.33 55	SUN	127.5	137.5	0	.04	1	1
22C007/055	06:08.55	SUN	135.0	140.0	10	.04	1	2

VL-2 CALIBRATION AND SCAN VERIFICATION

CAMERA EVENTS

CALIBRATION AND SCAN VERIFICATION CAMERA EVENTS

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
22A004/000	15 06 42	CAL	170 0	170.0	0	1		2
22A012/001	17 37 35	CAL	170.0	170.0	0	1		2
22A017/002	14.55 49	CAL	170 0	170 0	0	1		2
21A026/003	17.58 07	CAL	170 0	170.0	0	1		2
21A030/004	15 36 52	CAL	170 0	170 0	0	1		2
22A037/005	15·10 15	CAL	170.0	170.0	0	1		2
21A045/006	17 33 49	CAL	170.0	170.0	0	1		2
21A053/007	16 04 29	CAL	170 0	170.0	0	1		2
21A066/009	08 04 26	CAL	170 0	170 0	0	1		2
21A083/012	12.08 00	CAL	170 0	170.0	0	1		2
22A087/012	17 11 45	CAL	170.0	170 0	0	1		2
22A094/013	17.23 20	CAL	170.0	170 0	0	1		2
21A102/014	17 15 46	CAL	170.0	170 0	0	1		2
21A175/023	06·53 29	CAL	170.0	170.0	0	1		2
22A177/023	07 03 55	CAL	170.0	170.0	0	1		2
22B019/033	09 00 11	CAL	170.0	170.0	0	1		2
22B145/047	12 51 55	CAL	170 0	170.0	0	1		2
22B159/048	12.51 17	CAL	170.0	170.0	0	1		2
22B179/048	23·50 28	CAL	170.0	170 0	0	1		2
22B188/049	12.52 28	CAL	170.0	170.0	0	1		2
22B208/051	10·35.28	CAL	170.0	170.0	0	1		2

Note: No Scan Varification Camera Events Were Acquired During VL-2 Primary Mission.

VL-2 HIGH-RESOLUTION CAMERA EVENTS SORTED BY ELEVATION AND START AZIMUTH FOR SEGMENTS OF DAY

VL-2

HIGH-RESOLUTION CAMERA EVENTS
SORTED BY ELEVATION AND START AZIMUTH
FOR SEGMENTS OF THE DAY

00-10 HOURS LLT

CELABEL	LLT	EPA	AZSTART	AZSTOP	DIODE	GAIN	OFFSET	SUNAZ	SUNEL	ASOLAZ	ASOLEL	RELATIVE TO NORTH AZSTART	RELATIVE TO NORTH AZSTOP	RELATIVE TO NORTH ASOLAZ
CAMERA 1														
21B008/032	06.29.59	0	45 0	75 0	BB4	4	1	82.1	17.0	133	-9	173 6	203.6	262
21A076/011	09.10 13	0	70.0	160 0	BB4	4	1	110.3	44 3	160	-36	198 6	288 6	289
21B010/032	06.49 59	0	75.0	142.5	BB4	4	1	85.6	20 3	137	-12	203.6	271.1	266
21A071/010	09:11 58	0	135 0	225 0	BB4	4	1	110 5	44.6	160	-36	263 6	353.6	289
21B095/042	08.59.59	0	135.0	192.5	BB4	4	1	112.9	40.2	162	-32	263 6	321.1	291
21A164/022	07.09 59	0	142 5	250.0	BB4	4	1	87.8	24.3	139	-16	271 1	18.6	268
21A050/007	09:17.23	0	200.0	290 0	BB4	4	1	111.4	45.6	160	-37	328 6	58.6	289
21B001/031	06 51.59	0	250.0	265 0	BB4	4	1	85.8	20.7	137	-12	18 6	33 6	266
21A054/008	09:15.33	0	260.0	335 0	BB4	4	1	111.1	45 3	160	-37	28 6	103 6	289
21A129/018	08.58:55	-10	15 0	65.0	BB4	4	1	108.7	42.1	158	-34	143 6	193 6	287
21A204/025	06 54 58	-10	27.5	62 5	BB4	4	1	85 5	21.6	137	-13	156.1	191.1	266
21B054/038	07:00:00	-10	120.0	215 0	BB3	4	1	88.2	21.4	139	-13	248.6	343 6	268
21A122/017	08:57.40	-10	135 0	185 0	BB4	4	1	108.3	42.0	158	-33	263 6	313.6	287
21A065/009	08.03 59	-10	157.5	162 5	BB3	4	1	96.0	33.9	147	-25	286 1	291.1	276
21A12?/017	09:32 34	-10	182 5	257 5	BB4	4	1	116.7	47.2	165	-39	311.1	26.1	294
21B039/036	06.49.59	-10	215 0	260.0	BB4	4	1	86.2	19.9	137	-11	343.6	28.6	266
21B096/042	09.07.59	-10	235 0	255 0	BB4	4	1	114.8	41.4	164	-33	3.6	23 6	293
21C069/061	09.51.21	-10	240 0	275 0	BB3	4	1	129.7	45.0	177	-37	8.6	43 6	306
21A130/018	09.33 50	-10	255 0	330 0	BB4	4	1	117.2	47.3	165	-39	23.6	98 6	294
21B009/032	06 39 59	-10	260 0	335 0	BB4	4	1	83.8	18.7	135	-10	28.6	103.6	264
21A034/005	09:21 09	-20	270.0	297 5	BB3	4	1	112 0	46.3	161	-38	38.6	66 1	290
21B040/036	07:00 59	-30	150.0	265 0	BB2	4	1	88.1	21.7	139	-13	278.6	33 6	268
21A115/016	09 34 22	-30	152.5	227.5	BB2	4	1	117.0	47.6	165	-39	281.1	356 1	294
21B198/051	06.35 59	-30	210.0	220 0	BB2	4	1	86 0	16.3	137	-8	338.6	348 6	266
21B200/051	06.50 59	-30	210.0	220 0	BB2	4	1	88 6	18 7	140	-10	338.6	348 6	269
21B201/051	06.57:00	-30	210 0	220.0	BB2	4	1	89 7	19.7	141	-11	338.6	348.6	270
21A114/016	08 59 37	-30	215.0	332.5	BB2	4	1	108 6	42.3	158	-34	343.6	101 1	287
21A062/009	07.49 59	-30	227.5	237 5	BB2	4	1	93.4	31.6	144	-23	356.1	6 1	273
21B138/047	06 59:59	-30	227.5	237 5	BB2	4	1	89.6	20.6	141	-12	356.1	6.1	270
21B148/048	06.11.59	-30	227.5	237 5	BB2	4	1	81 3	12.7	132	-4	356 1	6 1	261
21A174/023	06.49 41	-30	262.5	305.0	BB2	4	1	84.3	20.9	136	-12	31.1	73.6	265
21C044/057	09 38.59	-30	280.0	290 0	BB2	4	1	125.5	44 0	173	-36	48 6	58 6	302
21B203/051	09.05 26	-30	290.0	300 0	BB2	4	1	115.8	40.0	165	-32	58 6	68.6	294
21C041/057	09.30 59	-30	290.0	300 0	BB2	4	1	123.4	42.9	171	-35	58.6	68.6	300
21C036/057	07:01 57	-30	315.0	335 0	BB3	4	1	91 6	19.9	143	-11	83.6	103.6	272
21A193/024	06:59 59	-40	305.0	322 5	BB2	4	1	86.3	22 5	138	-14	73.6	91.1	267
21B093/042	06:49:59	-40	305.0	330.0	BB2	4	1	87.1	19.4	138	-11	73 6	98.6	267
21A080/012	09.40 48	-50	175.0	250 0	BB1	4	1	118.1	48.8	166	-41	303.6	18.6	295
21B015/033	06.44:59	-50	177.5	257.5	BB1	4	1	84.9	19.4	136	-11	306.1	26.1	265
21A039/006	09:19.16	-50	200.0	280.0	BB1	4	1	111.7	46.0	161	-38	328.6	48.6	290
21A079/012	09:06:03	-50	212.5	327.5	BB1	4	1	109.4	43.6	159	-35	341.1	96.1	288

VL-2 High-Resolution Camera Events Sorted by Elevation and Start Azimuth for Segments of Day

VL-2

HIGH-RESOLUTION CAMERA EVENTS
SORTED BY ELEVATION AND START AZIMUTH
FOR SEGMENTS OF THE DAY

00-10 HOURS LLT

CELABEL	LLT	EPA	AZSTART	AZSTOP	DIODE	GAIN	OFFSET	SUNAZ	SUNEL	ASOLAZ	ASOLEL	RELATIVE TO NORTH AZSTART	RELATIVE TO NORTH AZSTOP	RELATIVE TO NORTH ASOLAZ
21B094/042	06:54:59	-50	257.5	292.5	BB1	4	1	87.9	20.2	139	-12	26.1	61.1	268
CAMERA 2														
22B000/031	06 39.59	0	7.5	115.0	BB4	4	1	83.7	18.7	319	-10	312.1	59.6	263
22A067/009	09 13.44	0	10.0	90.0	BB4	4	1	110.8	45.0	344	-36	314.6	34.6	288
22A136/019	08 57.30	0	10.0	60.0	BB4	4	1	108.5	41.8	342	-33	314.6	4.6	286
22A106/015	09.35 54	0	160.0	235.0	BB4	4	1	117.3	47.9	349	-40	104.6	179.6	293
22A223/028	06:54:59	0	215.0	325.0	BB4	4	1	85.9	21.4	321	-13	159.6	269.6	265
22A105/015	09 01:09	0	220.0	335 0	BB4	4	1	108.8	42 6	342	-34	164.6	279.6	286
22B002/031	07.20 59	-10	7.5	60.0	BB3	4	1	91.0	25.4	326	-17	312.1	4.6	270
22A097/014	09:37:31	-10	10.0	90.0	BB3	4	1	117.5	48.2	350	-40	314.6	34.6	294
22A137/019	09.32.24	-10	57 5	132 5	BB4	4	1	117.0	47 0	349	-39	2.1	77.1	293
22A236/029	06.44.59	-10	60 0	117 5	BB4	4	1	84.3	19.7	320	-11	4.6	62.1	264
22A096/014	09 02.45	-10	77.5	200.0	BB3	4	1	109.0	43.0	342	-34	22.1	144.6	286
22B230/054	06:59:00	-10	115.0	130.0	BB4	2	7	90.6	19.7	326	-11	59.6	74.6	270
22B231/054	07:05:00	-10	115 0	175.0	BB4	3	2	91.6	20.7	327	-12	59.6	119.6	271
22A220/027	06 59 59	-10	117.5	215.0	BB4	4	1	86.7	22.3	322	-14	62.1	159.6	266
22A207/025	07:14:58	-10	265.0	307.5	BB3	4	1	89.1	24.9	324	-16	209.6	252.1	268
22C039/057	07.35.14	-10	285.0	297 5	BB1	4	1	97.8	25.3	332	-17	229.6	242.1	276
22B199/051	06.37 59	-20	22.5	32.5	BB2	4	1	86.3	16.6	321	-8	327.1	337.1	265
22B041/036	07.39 59	-20	25.0	32.5	BB1	4	1	95.3	28.1	330	-19	329.6	337.1	274
22A063/009	07:51.59	-20	37.5	47.5	BB2	4	1	93 7	32.0	329	-23	342.1	352.1	273
22A070/010	07.49.59	-20	37.5	47.5	BB2	4	1	93.5	31.6	328	-23	342.1	352.1	272
22B139/047	07:04:59	-20	37.5	47.5	BB2	4	1	90.5	21.4	326	-13	342.1	352.1	270
22B149/048	06.13.59	-20	37.5	47 5	BB2	4	1	81.6	13.0	317	-5	342.1	352.1	261
22A027/004	08:09.00	-20	305.0	310.0	BB1	4	1	96.3	35.0	331	-26	249.6	254.6	275
22A089/013	09.39:08	-30	10.0	90.0	BB2	4	1	117.8	48.5	350	-40	314.6	34.6	294
22B025/034	06:45 00	-30	10 0	20.0	BB2	4	1	85.0	19.3	320	-11	314.6	324.6	264
22B061/039	06 45.00	-30	15 0	90.0	BB2	4	1	85 7	18.9	321	-10	319.6	34.6	265
22A088/013	09 04.23	-30	77.5	200.0	BB2	4	1	109.2	43.3	343	-35	22.1	144.6	287
22A178/023	07:09.41	-30	77.5	127.5	BB2	4	1	87.8	24.2	323	-16	22.1	72.1	267
22A007/001	09:28 56	-30	80 0	127.5	BB2	4	1	113.4	47.7	347	-47	24.6	72.1	291
22C045/057	09 40 59	-30	85.0	95.0	BB2	4	1	126.1	44.2	358	-36	29.6	39.6	302
22C053/058	09.39 00	-30	85.0	95.0	BB2	4	1	125 7	43.8	357	-36	29.6	39.6	301
22A206/025	07:06:58	-30	127.5	192.5	BB3	4	1	87.6	23.6	323	-15	72.1	137.1	267
22C042/057	09.32:59	-40	90.0	100.0	BB2	4	1	123 9	43.2	356	-35	34.6	44.6	300
22A205/025	06.59:58	-50	52.5	110.0	BB1	4	1	86 4	22.4	322	-14	357.1	54.6	266
22A095/014	06:05.59	-50	55 0	130.0	BB1	3	1	75.7	14.5	311	-6	359.6	74.6	255
22A020/003	09:24 59	-50	80.0	160.0	BB1	4	1	112.7	47.0	346	-39	24.6	104.6	290
22A001/000	09:48.58	-50	92.5	160.0	BB1	4	1	118.6	50.7	353	-50	37.1	104.6	297
22A243/030	06:44 59	-50	110 0	115.0	BB1	4	1	84.4	19.6	320	-11	54.6	59.6	264
22A176/023	06 59:41	-50	115.0	162.5	BB1	4	1	86.1	22.5	321	-14	59.6	107.1	265
22C033/057	06:50.20	-50	115.0	125.0	BB1	4	1	89.5	18.0	324	-9	59.6	69.6	268

VL-2

HIGH-RESOLUTION CAMERA EVENTS
SORTED BY ELEVATION AND START AZIMUTH
FOR SEGMENTS OF THE DAY

00-10 HOURS LLT

CELABEL	LLT	EPA	AZSTART	AZSTOP	DIODE	GAIN	OFFSET	SUNAZ	SUNEL	ASOLAZ	ASOLEL	RELATIVE TO NORTH AZSTART	RELATIVE TO NORTH AZSTOP	RELATIVE TO NORTH ASOLAZ
22C034/057	06.52.45	-50	115.0	125.0	BB1	4	1	89.9	18.4	325	-10	59 6	69.6	269
22C035/057	06:55:12	-50	115.0	125.0	BB1	4	1	90.4	18.8	325	-10	59.6	69.6	269

VL-2
HIGH-RESOLUTION CAMERA EVENTS
SORTED BY ELEVATION AND START AZIMUTH
FOR SEGMENTS OF THE DAY

10-14 HOURS LLT

												RELATIVE TO NORTH		
CCLABEL	LLT	EPA	AZSTART	AZSTOP	DIODE	GAIN	OFFSET	SUNAZ	SUNEL	ASOLAZ	ASOLEL	AZSTART	AZSTOP	ASOLAZ
CAMERA 1														
21A237/029	12.05.41	0	10.0	140 0	BB4	4	1	175.3	60.3	213	-57	138.6	268.6	342
21A221/027	12.06 16	0	122.5	250.0	BB4	4	1	175.4	60 5	213	-57	251.1	18.6	342
21B034/035	11.51.55	-10	150.0	225 0	BB3	4	1	169.6	59 1	209	-55	278.6	353 6	338
21A222/027	12:44 01	-10	250.0	295.0	BB4	4	1	193.0	60.1	229	-59	18.6	63.6	358
21A226/028	12 45 08	-10	290.0	335.0	BB4	4	1	193 5	59.9	230	-59	58 6	103 6	359
21A238/029	12 43 26	-20	30.0	75 0	BB4	4	1	192.8	59 8	229	-59	158.6	203 6	358
21A040/006	11·00 00	-20	35.0	60 0	BB1	4	1	143.1	59.1	186	-52	163 6	188.6	315
21A090/013	11.06 32	-20	35.0	60.0	BB1	4	1	146.8	59.1	189	-53	163.6	188 6	318
21A225/028	12.07·23	-20	130.0	260.0	BB3	4	1	176.0	60.4	214	-57	258.6	28.6	343
21B032/034	11 54 18	-20	150.0	250.0	BB2	4	1	170.6	59.3	209	-56	278.6	18 6	338
21A042/006	11:20 00	-30	40.0	50 0	BB1	5	1	151.5	60 9	192	-55	168 6	178.6	321
21A125/017	11 19 59	-30	40 0	57.5	BB1	5	1	153.1	59 8	194	-54	168.6	186.1	323
21B119/045	10 25 19	-30	210.0	220.0	BB2	4	1	137 1	51 2	182	-44	338.6	348.6	311
21B121/045	10 32 59	-30	210.0	220 0	BB2	4	1	139.7	52.1	184	-45	338.6	348.6	313
21B20?/051	10.24 59	-30	210.0	220 0	BB2	4	1	138.1	50.4	183	-43	338.6	348.6	312
21B022/033	12.32.18	-30	240.0	310 0	BB3	4	1	187.9	59 S	225	-58	8.6	78.6	354
21A248/030	11.31.04	-30	282.5	292.5	BB2	4	1	159.7	58 9	200	-54	51.1	61.1	329
21A250/030	11.36.04	-30	282.5	292 5	BB2	4	1	161.9	59 2	202	-54	51.1	61.1	331
21A246/030	11 07 27	-30	290.0	300.0	BB2	4	1	149 9	57 3	192	-51	58.6	68.6	321
21B029/034	10 43 21	-30	292.5	302.5	BB2	4	1	141 4	54 5	185	-48	61 1	71.1	314
21B031/034	10 49.55	-30	292 5	302.5	BB2	4	1	143.8	55 2	187	-49	61.1	71.1	316
21B021/033	11 56.52	-40	170.0	270.0	BB1	4	1	171 6	59 5	210	-56	298 6	38 6	339
21A068/009	12 00 10	-40	245.0	245.0	BB1	4	1	170 7	62 7	208	-59	13.6	13 6	337
21A098/014	13·57 11	-40	260.0	260.0	BB1	4	1	223 5	56 2	263	-60	28 6	28.6	31
21A117/016	13 39 10	-40	260.0	260 0	BB1	4	1	216.7	57.8	255	-61	28.6	28.6	23
21A131/01B	13 21.11	-40	260.0	260.0	BB1	4	1	209.4	59.2	246	-61	28 6	28.6	14
21A146/020	13.21 10	-40	260.0	260.0	BB1	4	1	209.3	58.9	246	-61	28 6	28.6	14
21A167/022	13 20 54	-40	260.0	260.0	BB1	4	1	209 2	58.6	246	-60	28.6	28 6	14
21A219/026	13 15 11	-40	260.0	260 0	BB1	4	1	206.7	58 5	244	-60	28.6	28.6	12
21B035/035	12 30 10	-40	277.5	315.0	BB2	4	1	187.0	59.3	224	-58	46.1	83.6	353
21B033/034	12:29.44	-50	210.0	280.0	BB1	4	1	186.7	59.4	224	-58	338.6	48.6	353
CAMERA 2														
22B004/031	12:37 03	0	7.5	87.5	BB4	4	1	190.0	59 7	51	-59	312.1	32.1	356
22B146/047	13.20.49	0	40.0	50.0	BB2	4	1	208.3	54.7	71	-56	344.6	354.6	15
22A253/030	12.38 18	0	210.0	260.0	BB4	4	1	190.5	59.8	51	-59	154.6	204.6	356
22B003/031	12 01 37	0	235.0	335.0	BB4	4	1	173.6	59.9	36	-57	179.6	279.6	341
22B013/032	12.34.45	-10	25.0	95.0	BB3	4	1	188.9	59.6	50	-58	329.6	39.6	355
22A138/019	12 25.10	-10	67.5	67.5	BB3	4	1	183.8	61.7	44	-60	12.1	12.1	349
22A252/030	12 06.09	-10	90.0	220.0	BB4	4	1	175.6	60.1	37	-57	34.6	164.6	342

VL-2

HIGH-RESOLUTION CAMERA EVENTS
SORTED BY ELEVATION AND START AZIMUTH
FOR SEGMENTS OF THE DAY

10-14 HOURS LLT

CCLABEL	LLT	EPA	AZSTART	AZSTOP	DIODE	GAIN	OFFSET	SUNAZ	SUNEL	ASOLAZ	ASOLEL	RELATIVE TO NORTH AZSTART	RELATIVE TO NORTH AZSTOP	RELATIVE TO NORTH ASOLAZ
22B118/045	10:23:19	-20	22.5	32 5	BB2	4	1	136.5	51 0	6	-44	327.1	337.1	311
22B120/045	10.29 59	-20	22.5	32 5	BB2	4	1	138 7	51 7	8	-45	327.1	337.1	313
22B205/051	10 26 59	-20	22.5	32 5	BB2	4	1	138.8	50.6	8	-44	327.1	337.1	313
22B020/033	10:29 59	-20	285 0	290 0	BB1	4	1	136.6	53 2	6	-46	229.6	234.6	311
22B098/042	10:29:59	-20	285.0	290.0	BB1	4	1	138.2	52.1	7	-45	229.6	234 6	312
22A124/017	10:02.58	-20	290 0	295 0	BB1	3	1	125.2	51.5	356	-44	234.6	239.6	300
22B045/036	12.27.27	-30	10.0	47 5	BB2	4	1	185 8	59 2	47	-57	314.6	352.1	352
22B046/037	11 46.21	-30	45 0	120 0	BB2	4	1	167.3	58.6	31	-55	349.6	64.6	336
22A249/030	11:32:47	-30	90.0	100.0	BB2	4	1	160.5	59.0	25	-54	34.6	44.6	330
22A251/030	11:37.47	-30	90.0	100 0	BB2	4	1	162 7	59.2	26	-55	34.6	44.6	331
22B012/032	11.59.19	-30	95.0	200 0	BB2	4	1	172 6	59.7	35	-56	39.6	144.6	340
22B047/037	12 24 36	-30	95 0	140.0	BB2	4	1	184.6	59.0	46	-57	39.6	84.6	351
22B028/034	10:41 36	-30	102.5	112 5	BB2	4	1	140.8	54 4	9	-48	47.1	57.1	314
22B030/034	10:48:10	-30	102 5	112 5	BB2	4	1	143 1	55.0	11	-48	47.1	57.1	316
22A154/021	10 10 58	-30	115.0	125 0	BB2	4	1	128.3	52.2	359	-44	59.6	69.6	303
22A155/021	10:14 18	-30	115.0	125 0	BB2	4	1	129.3	52.6	359	-45	59.6	69.6	303
22A156/021	10 18:18	-30	115.0	125.0	BB2	4	1	130.6	53.1	0	-46	59.6	69.6	305
22A239/029	13 40:38	-30	115.0	125 0	BB2	4	1	216 7	55.9	79	-59	59.6	69.6	23
22A247/030	11 18 10	-30	115.0	125 0	BB2	4	1	154.3	58 1	20	-53	59.6	69 6	325
22B044/036	11:49.12	-30	115.0	190.0	BB3	4	1	168.5	58 8	32	-55	59.6	134.6	337
22B116/045	10.11 39	-30	117 5	127 5	BB3	4	1	132 8	49.6	3	-42	62.1	72.1	308
22B117/045	10.14 54	-30	117 5	127 5	BB3	4	1	133.8	50 0	4	-43	62.1	72.1	309
22B056/038	10 30 00	-30	290.0	310 0	BB1	4	1	137.4	52.6	6	-46	234.6	254.6	311
22A009/001	11:14 59	-30	295 0	305 0	BB1	5	1	148.6	60.9	14	-55	239 6	249.6	319
22A041/006	11.15.00	-30	295.0	305.0	BB1	5	1	149 3	60.5	15	-54	239.6	249.6	320
22A107/015	13.42:10	-40	90.0	90.0	BB1	4	1	217.9	57.6	80	-61	34.6	34 6	24
22A055/008	12:52 11	-40	135.0	135 0	BB1	4	1	196.4	62.3	55	-62	79.6	79.6	
22A073/010	12:10.11	-40	135 0	135.0	BB1	4	1	175 8	62.8	36	-60	79.6	79.6	341
22A126/017	12:25.10	-40	135 0	135 0	BB1	4	1	183.7	61.9	44	-60	79.6	79.6	349
22B058/038	12:21 38	-50	55.0	92 5	BB1	4	1	183 3	58 9	45	-57	359.6	37.1	350
22B057/038	11:43 23	-50	90.0	165 0	BB1	4	1	166.2	58.3	30	-54	34.6	109.6	335
22A008/001	10.53:49	-50	117.5	155.0	BB1	4	1	140.0	58.9	7	-52	62.1	99.6	312
22A010/001	13 42:11	-50	125 0	125.0	BB1	4	1	218.4	59.3	92	-59	69.6	69.6	36
22A015/002	13:42 11	-50	125.0	125 0	BB1	4	1	218.4	59.2	80	-62	69.6	69.6	24

VL-2

HIGH-RESOLUTION CAMERA EVENTS
SORTED BY ELEVATION AND START AZIMUTH
FOR SEGMENTS OF THE DAY

14-16 HOURS LLT

												RELATIVE TO NORTH		
CELABEL	LLT	EPA	AZSTART	AZSTOP	DIODE	GAIN	OFFSET	SUNAZ	SUNEL	ASOLAZ	ASOLEL	AZSTART	AZSTOP	ASOLAZ
CAMERA 1														
21A108/015	14 49:59	-10	27.5	65.0	BB4	4	1	240.0	49.3	284	-55	156.1	193.6	52
21A059/008	14:56.33	-10	162.5	190.0	BB3	4	1	242.3	49.1	286	-55	291.1	318.6	54
21A074/010	15:44:59	-20	12.5	27 5	BB1	5	1	253.9	41.6	301	-49	141.1	156.1	69
21A023/003	15:53:59	-20	35.0	40 0	BB1	4	1	256.4	40.9	304	-48	163.6	168.6	72
21A052/007	16:00.00	-30	182.5	232.5	BB2	4	1	257.4	39.5	305	-47	311.1	1.1	73
21A057/008	14:51:33	-30	227.5	237.5	BB2	4	1	241.0	49.8	285	-56	356.1	6.1	53
21C027/056	14:59:25	-30	282.5	290.0	BB1	4	1	238.7	41.9	284	-48	51.1	58.6	52
21C028/056	15:01:59	-30	282.5	290.0	BB1	4	1	239.4	41.6	285	-47	51.1	58.6	53
21C029/056	15:04:29	-30	282.5	290.0	BB1	4	1	240.0	41.2	286	-47	51.1	58.6	54
21A241/029	14:07:26	-30	290.0	300.0	BB2	4	1	226.1	53.0	267	-57	58.6	68.6	35
21A078/011	14:30:10	-40	245.0	245.0	BB1	4	1	234.6	52.5	277	-58	13.6	13.6	45
21A085/012	15:15:10	-40	260.0	260.0	BB1	4	1	246.8	45.9	292	-52	28.6	28.6	60
21A197/024	14:33:11	-40	260.0	260.0	BB1	4	1	234.5	50.4	277	-56	28.6	28.6	45
CAMERA 2														
22A255/030	15:00.00	0	7.5	10 0	BB4	4	1	241.4	45 9	110	-52	312.1	314.6	54
22C022/056	14:10:12	-10	85.0	92.5	BB1	4	1	224.9	48.3	91	-52	29.6	37.1	35
22C025/056	14:50:36	-10	85.0	92.5	BB1	4	1	236.4	43.2	105	-49	29.6	37.1	49
22C026/056	14:54.24	-10	85.0	92.5	BB1	4	1	237.4	42.6	106	-48	29.6	37.1	50
22B014/032	14:59:59	-20	10.0	12.5	BB3	4	1	241.3	45.6	110	-52	314.6	317.1	54
22A056/008	14.29:59	-20	37.5	47.5	BB2	4	1	234.7	52.8	101	-58	342.1	352.1	45
22A058/008	14:53:33	-20	37.5	47.5	BB2	4	1	241.5	49.6	109	-55	342.1	352.1	53
22C021/056	14.01:48	-20	290.0	295.0	BB3	4	1	222.2	49.2	88	-53	234.6	239.6	32
22C024/056	14:42 39	-20	290.0	297.5	BB3	4	1	234.3	44.2	103	-49	234.6	242.1	47
22C030/056	15:11:54	-20	290.0	295.0	BB3	4	1	241.9	40.2	112	-46	234.6	239.6	56
22C023/056	14:29 45	-30	85.0	95.0	BB2	4	1	230.7	45.9	98	-51	29.6	39.6	42
22A242/029	14:19:59	-30	115.0	125.0	BB2	4	1	230.1	51.5	96	-56	59.6	69.6	40
22A091/013	14:24:10	-40	90.0	90.0	BB1	4	1	232.6	53.0	98	-58	34.6	34.6	42
22B005/031	15:00:00	-50	75.0	77.5	BB1	4	1	241.4	45.8	110	-52	19.6	22.1	54

VL-2

HIGH-RESOLUTION CAMERA EVENTS
SORTED BY ELEVATION AND START AZIMUTH
FOR SEGMENTS OF THE DAY

16-24:39 HOURS LLT

CELABEL	LLT	EPA	AZSTART	AZSTOP	DIODE	GAIN	OFFSET	SUNAZ	SUNEL	ASOLAZ	ASOLEL	RELATIVE TO NORTH AZSTART	RELATIVE TO NORTH AZSTOP	RELATIVE TO NORTH ASOLAZ
CAMERA 1														
21B213/051	17:30:00	0	50.0	65.0	BB4	4	1	270.7	19.2	321	-27	178.6	193.6	89
21A127/017	17:29 58	0	60.0	75.0	BB4	4	1	273.7	23 8	324	-32	188.6	203 6	92
21A139/019	17:19.59	0	75.0	125.0	BB4	4	1	271.8	25.2	322	-33	203.6	253 6	90
21A147/020	17:19:43	0	165.0	215.0	BB4	4	1	271.6	25.1	322	-33	293.6	343 6	90
21A149/020	17:37:43	0	215.0	260.0	BB4	4	1	274.8	22.2	325	-30	343.6	28 6	93
21A142/019	17.41.59	10	125.0	165 0	BB4	4	1	275.6	21.6	326	-29	253.6	293.6	94
21A134/018	17.29 59	-10	30.0	60 0	BB4	4	1	273 6	23.7	324	-31	158.6	188.6	92
21A150/020	17:44.43	-10	125.0	147.5	BB3	4	1	276.0	21.1	327	-29	253.6	276.1	95
21B059/038	17:29.59	-10	145.0	192.5	BB3	4	1	271.9	21.1	322	-29	273.6	321.1	90
21A069/009	16:49 58	-10	190.0	217.5	BB3	4	1	267.0	31.2	317	-39	318.6	346 1	85
21A075/010	17:29 59	-10	217.5	265.0	BB3	4	1	274 2	24 6	325	-32	346.1	33.6	93
21A151/020	17:49:43	-10	260.0	282.5	BB4	4	1	276.9	20.3	328	-28	28.6	51.1	96
21A061/008	17.45:59	-10	275.0	282.5	BB1	3	1	277.1	22.2	328	-30	43.6	51.1	96
21A161/021	17:29.42	-10	282.5	302.5	BB4	4	1	273 3	23.4	324	-31	51.1	71.1	92
21A11?/015	17:54 59	-10	285.0	315.0	BB3	4	1	278 2	20.0	329	-28	53.6	83.6	97
21A168/022	17.29:42	-10	302.5	335.0	BB4	4	1	273 2	23.3	324	-31	71.1	103 6	92
21A227/028	16 11 13	-20	230.0	240.0	BB2	4	1	258 0	35.3	306	-42	358.6	8.6	74
21A230/028	18:04:59	-20	230.0	240.0	BB2	4	1	278.9	16.8	330	-25	358.6	8 6	98
21A216/025	17.29:59	-20	260.0	285.0	BB3	4	1	273.1	22.9	323	-31	28.6	53 6	91
21A024/003	17:49.00	-20	270.0	297.5	BB3	4	1	277.9	22.2	329	-30	38.6	66.1	97
21A128/017	17:49 58	-30	157.5	182.5	BB2	4	1	277.2	20.6	328	-28	286.1	311.1	96
21B195/050	17.30.00	-30	177.5	237.5	BB2	4	1	270 8	19.4	321	-27	306.1	6.1	89
21A110/015	16:59:59	-30	227.5	237.5	BB2	4	1	268.5	28.9	318	-37	356.1	6.1	86
21A044/006	17.30.00	-30	232.5	275.0	BB2	4	1	274 4	25.0	325	-33	1.1	43.6	93
21A032/004	17:30 00	-30	275.0	305.0	BB2	4	1	274.5	25.2	325	-33	43.6	73 6	93
21C031/056	17:27.59	-30	280.0	290.0	BB2	4	1	269.8	18.8	320	-26	48.6	58.6	88
21A229/028	17:46 27	-30	290.0	300.0	BB2	4	1	275.7	19.8	326	-28	58.6	68.6	94
21B048/037	16.10:30	-30	292.5	302.5	BB2	4	1	257.0	34.2	305	-41	61.1	71 1	73
21B049/037	16:16:11	-30	292.5	302.5	BB2	4	1	258.1	33.3	307	-40	61.1	71.1	75
21B051/037	17:39.58	-30	292.5	302.5	BB2	4	1	273.8	19.7	324	-27	61.1	71.1	92
21B214/051	17:35 00	-30	305.0	335.0	BB2	3	1	271.6	18.4	322	-26	73.6	103.6	90
21A031/004	17.00 00	-50	182.5	255.0	BB1	4	1	269.2	30.1	319	-38	311.1	23.6	87
21A132/018	17 19.59	-50	252.5	292.5	BB1	4	1	271.8	25.3	322	-33	21.1	61.1	90
21B060/038	17:39:59	-50	252.5	330.0	BB1	4	1	273.7	19.5	324	-27	21.1	98 6	92
CAMERA 2														
22A118/016	17.17:59	0	10.0	67.5	BB4	4	1	271.6	25.9	146	-34	314.6	12.1	90
22A140/019	17.27.59	0	235.0	272.5	BB4	4	1	273.2	23.9	148	-32	179.6	217 1	92
22A135/018	17:34:59	0	270.0	335.0	BB4	4	1	274.5	22.9	149	-31	214.6	279.6	93
22A011/001	17:29:59	-10	60.0	145.0	BB3	4	1	274.7	25.5	149	-33	4.6	89.6	93

VL-2

HIGH-RESOLUTION CAMERA EVENTS
SORTED BY ELEVATION AND START AZIMUTH
FOR SEGMENTS OF THE DAY

16-24:39 HOURS LLT

CCLABEL	LLT	EPA	AZSTART	AZSTOP	DIODE	GAIN	OFFSET	SUNAZ	SUNEL	ASOLAZ	ASOLEL	RELATIVE TO NORTH AZSTART	AZSTOP	ASOLAZ
22A143/019	17:49.59	-10	67.5	107.5	BB4	4	1	277.0	20.3	152	-28	12.1	52 1	96
22A148/020	17.29 43	-10	107.5	185.0	BB4	4	1	273 4	23.5	148	-31	52.1	129 6	92
22A093/013	17:19:59	-10	145 0	182.5	BB3	4	1	272 2	25.9	146	-34	89.6	127 1	90
22A104/014	17.53.59	-10	182.5	230.0	BB4	4	1	278.1	20.3	153	-28	127.1	174.6	97
22A141/019	17.34.59	-10	185.0	235.0	BB4	4	1	274 4	22.8	149	-31	129.6	179 6	93
22A133/018	17 24 59	-10	285.0	315.0	BB3	4	1	272.7	24.5	147	-32	229.6	259.6	91
22A121/016	17.39.59	-20	12.5	60.0	BB3	4	1	275.5	22.3	150	-30	317.1	4 6	94
22A046/006	17.40 00	-20	37.5	47 5	BB2	4	1	276.2	23 4	151	-31	342.1	352.1	95
22B090/041	17:29:59	-20	185.0	195 0	BB4	4	1	271.7	20.7	146	-28	129.6	139 6	90
22B211/051	17:20:00	-20	265.0	305.0	BB4	4	1	268 9	20.9	143	-29	209.6	249.6	87
22B212/051	17.25.00	-30	7 5	17.5	BB1	4	1	269 8	20.0	144	-28	312 1	322 1	88
22B091/041	17.32 59	-30	55.0	85.0	BB2	4	1	272.2	20.2	147	-28	359.6	29.6	91
22A005/000	17.29.59	-30	80.0	127.5	BB2	4	1	274.8	25.6	149	-25	24.6	72.1	93
22C032/056	17:30.59	-30	85.0	95 0	BB2	4	1	270.3	18.3	145	-26	29.6	39.6	89
22A162/021	17:39:59	-30	115.0	125 0	BB2	4	1	275.1	21.7	150	-29	59.6	69.6	94
22A163/021	17.54.59	-30	127.5	157.5	BB2	4	1	277.7	19.3	152	-27	72.1	102.1	96
22A103/014	17.29.59	-30	157.5	182.5	BB2	4	1	273 9	24.2	148	-32	102.1	127:1	92
22A119/016	17:25:59	-30	167.5	187.5	BB3	4	1	273.0	24.6	147	-32	112.1	132.1	91
22B215/051	17:45.00	-50	45.0	165 0	BB1	3	1	273.4	16.8	148	-25	349.6	109.6	92

VL-2 SURVEY CAMERA EVENTS

SURVEY CAMERA EVENTS

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
22A002/000	09 55.33	SURV	10 0	325 0	-10	.12	1	4
22A014/002	11 00 00	SURV	310.0	335.0	-20	.12	1	5
22A021/003	12 52.11	SURV	132.5	142.5	-30	.12	1	4
21A025/003	17.54.00	SURV	165 0	302.5	-10	.12	1	4
21A029/004	15:36 00	SURV	7.5	35 0	-20	.12	1	4
22A035/005	12 52.11	SURV	132 5	142.5	-30	.12	1	4
22A043/006	12 52.12	SURV	132 5	142.5	-30	.12	1	4
22A051/007	12 52 11	SURV	132 5	142 5	-30	.12	1	4
21A060/008	16·26 30	SURV	7.5	35.0	-20	.12	1	4
21A077/011	09·44 20	SURV	125.0	335.0	-20	.12	1	4
22A086/012	17.11 00	SURV	310.0	335 0	-30	.12	1	5
22A092/013	17 10·58	SURV	310 0	335 0	-30	.12	1	5
21A109/015	15 58 14	SURV	7.5	35.0	-20	.12	1	4
21A120/016	17.29 59	SURV	10.0	165.0	0	.12	1	4
21A157/021	10:37 40	SURV	10.0	40.0	-20	.12	1	4
22A160/021	12;49.52	SURV	155.0	327.5	0	.12	1	4
21A181/023	11:09 59	SURV	55.0	60.0	-10	.12	1	4
22A184/023	11·15 59	SURV	285.0	290.0	-10	.12	1	4
21A189/023	12:29 41	SURV	202.5	282.5	-30	.12	1	4
22A192/023	12;50·30	SURV	75.0	165.0	-30	.12	1	4
21A212/025	12·19 40	SURV	25.0	65.0	-10	.12	1	4
21A215/025	12.46 23	SURV	120.0	250.0	-20	.12	1	4
21A224/028	09;03 11	SURV	322 5	330.0	-30	.12	1	4
21A228/028	16;29 13	SURV	7.5	17 5	-30	.12	1	4
22A240/029	13;57 07	SURV	307.5	332.5	-30	.12	1	4
21A244/030	09·21 10	SURV	322.5	330.0	-30	.12	1	4
22A245/030	10;57·08	SURV	307.5	332 5	-30	.12	1	4
22B011/032	09 45·10	SURV	90 0	110.(	-30	.12	1	4
22B018/033	08:59 01	SURV	172 5	212.5	10	.12	1	5
22B026/034	09:45.11	SURV	102.5	110.0	-30	.12	1	4
22B038/035	13:40.00	SURV	102.5	112.5	-30	.12	1	4
22B042/036	09:45·10	SURV	102.5	110.0	-30	.12	1	4
21B050/037	16:34 19	SURV	20.0	27 5	-30	.12	1	4
22B055/038	09·57.11	SURV	102 5	110 0	-30	.12	1	4
22B109/044	07:36.04	SURV	187 5	260 0	10	.12	1	4
22B111/044	10.29.59	SURV	285.0	290.0	-10	.12	1	4
22B128/046	10:13·59	SURV	75.0	140.0	-30	.12	1	4
22B129/046	10·29·59	SURV	285.0	290 0	-10	.12	1	4
22B136/046	13.24·49	SURV	40 0	50 0	-10	.12	1	4
22B137/046	14.13 11	SURV	305 0	335.0	-30	.12	1	4
22B144/047	12 49.59	SURV	7.5	72 5	-20	.12	1	3
22B147/047	14 13 10	SURV	305.0	335.0	-30	.12	1	4
22B151/048	10 29 59	SURV	285.0	290.0	-10	.12	1	4
22B158/048	12.49.59	SURV	140.0	182.5	-30	.12	1	3
22B180/049	10.29·59	SURV	285.0	290 0	-10	.12	1	4
22B187/049	12 49 59	SURV	182.5	265.0	0	.12	1	3
22B190/050	10 30 00	SURV	285.0	290.0	-10	.12	1	4
21B202/051	07:13 51	SURV	7.5	37.5	-20	.12	1	4
21B219/052	16.32.41	SURV	140.0	217.5	10	.12	1	5
21B229/053	12:37.59	SURV	272.5	335.0	-30	.12	1	3
22B232/054	10:00 00	SURV	305.0	310.0	-10	.12	1	5

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
22C008/055	09:55 00	SURV	305.0	310.0	-10	.12	1	5
21C015/055	12:40.00	SURV	177.5	272.5	-30	.12	1	3
22C016/056	09:44 59	SURV	305 0	310.0	-10	.12	1	5
22C040/057	09:09·06	SURV	305.0	335.0	-30	.12	1	3
21C043/057	09.35 59	SURV	320.0	335.0	-30	.12	1	4
21C050/057	12:39·58	SURV	102.5	177.5	-10	.12	1	3
22C051/058	09:09.07	SURV	305.0	335.0	-30	.12	1	3
21C052/058	09:36:00	SURV	320.0	335.0	-30	.12	1	4
21C058/058	12:39:59	SURV	10.0	110.0	-10	.12	1	3
22C068/060	11:29:59	SURV	265.0	305.0	-10	.12	1	3

VL-2 VISUAL COLOR TRIPLET CAMERA EVENTS

VISUAL COLOR TRIPLET CAMERA EVENTS

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
22A003/000	14.59.59	COLOR	80.0	155.0	-20	.12	1	4
22A006/001	07 53 59	COLOR	305 0	310.0	-10	12	1	4
22A013/002	09:26 57	COLOR	80.0	155 0	-20	.12	1	4
22A016/002	14.50 00	COLOR	15.0	80.0	0	.12	1	4
22A018/002	15 00·00	COLOR	155.0	210.0	0	12	1	4
22A019/003	08·00.00	COLOR	305 0	310 0	-10	.12	1	4
21A022/003	15:52.00	COLOR	35.0	40.0	-10	.12	1	4
21A028/004	09.23 03	COLOR	197.5	335.0	-10	.12	1	4
21A033/004	20.13 59	COLOR	170 0	170.0	10	.12	1	4
21A048/007	03.44 59	COLOR	290 0	290.0	10	12	1	4
22A064/009	08:01.59	COLOR	37 5	47.5	-10	.12	1	4
21A072/010	09:46.06	COLOR	235 0	310 0	-30	.12	1	4
21A081/012	11·07·59	COLOR	55.0	60.0	-10	.12	1	4
21A082/012	11.59 59	COLOR	197 5	287.5	-30	.12	1	4
21A084/012	12 14 59	COLOR	287.5	322.5	-10	.12	1	4
21A099/014	16:30 00	COLOR	35.0	40.0	-10	.12	1	4
21A101/014	17·11 59	COLOR	150.0	192.5	10	.12	1	5
21A116/016	11.59.59	COLOR	287.5	327.5	-10	.12	1	4
22A144/020	08.56 13	COLOR	55.0	105.0	-30	.12	1	4
22A145/020	09·31·07	COLOR	10 0	85.0	-20	.12	1	4
22A152/021	08.54 42	COLOR	170.0	220.0	0	.12	1	4
22A153/021	09·29 38	COLOR	102.5	177.5	-30	.12	1	4
22A158/021	12:17 02	COLOR	155.0	327.5	0	.12	1	4
22A165/022	08.53.46	COLOR	212.5	262.5	10	.12	1	4
22A166/022	09:28 42	COLOR	260.0	335.0	-10	.12	1	4
21A171/022	19.58 42	COLOR	175.0	175.0	10	.12	1	5
21A172/022	20.24.17	COLOR	177 5	177.5	10	12	1	2
21A173/022	20:49.52	COLOR	182.5	182.5	10	.12	1	1
21A179/023	08·52 36	COLOR	285 0	335.0	-30	.12	1	4
21A180/023	09 27·32	COLOR	225.0	300.0	-30	12	1	4
21A182/023	11·11.59	COLOR	55.0	60 0	-10	.12	1	4
22A185/023	11;17·59	COLOR	285.0	290.0	-10	.12	1	4
21A187/023	12:14 55	COLOR	202.5	282.5	-30	.12	1	4
22A190/023	12.33 58	COLOR	75 0	165.0	-30	.12	1	4
21A194/024	08·52 00	COLOR	147.5	197.5	0	.12	1	4
21A195/024	09:26.56	COLOR	162.5	237 5	-30	.12	1	4
21A196/024	10.09 59	COLOR	55.0	60.0	-10	.12	1	4
21A208/025	08.53·42	COLOR	112.5	162.5	0	.12	1	4
21A209/025	09:28·38	COLOR	195.0	270 0	10	12	1	4
21A210/025	12:12 02	COLOR	25.0	65.0	-10	.12	1	4
21A213/025	12.22 45	COLOR	120.0	250.0	-20	.12	1	4
21A217/026	08 52 50	COLOR	77 5	127.5	10	.12	1	4
21A218/026	09·27 47	COLOR	15.0	90.0	0	.12	1	4
22A254/030	14·25 00	COLOR	115.0	125.0	-30	.12	1	4
22B016/033	08.49 00	COLOR	172.5	212.5	10	.12	1	5
22B023/034	04:29 00	COLOR	110 0	170.0	10	.12	1	5
21B024/034	04:35.00	COLOR	200.0	260.0	-20	.12	1	1
22B027/034	10:30·00	COLOR	285.0	290.0	-10	.12	1	4
22B036/035	13:30.00	COLOR	102.5	112.5	-30	.12	1	4
21B043/036	10·39 59	COLOR	35.0	62.5	-20	.12	1	4
22B052/037	17:49 58	COLOR	102.5	112.5	-30	.12	1	4

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
21B053/037	19.12 58	COLOR	180.0	267.5	-30	.12	1	1
21B064/039	14·20:59	COLOR	30.0	35.0	-10	.12	1	5
21B066/039	16:35.59	COLOR	22.5	27.5	-10	.12	1	5
21B068/039	17.40.59	COLOR	30.0	35.0	-10	.12	1	5
21B070/039	18.10·59	COLOR	22 5	27.5	-10	.12	1	5
21B072/039	18·30·59	COLOR	22.5	27.5	-10	.12	1	5
21B074/039	18·40:59	COLOR	22.5	27.5	-10	.12	1	5
22B076/039	19:09:59	COLOR	75.0	197.5	-30	.12	1	1
22B078/040	03:30 59	COLOR	107.5	107.5	10	.12	1	0
22B079/040	03.56.29	COLOR	112.5	112.5	10	.12	1	2
22B080/040	04·21:59	COLOR	117.5	117.5	10	.12	1	4
22B087/040	19:09:59	COLOR	197.5	255 0	10	.12	1	1
21B092/041	19:09·59	COLOR	267.5	307.5	-20	.12	1	1
22B101/042	19 06·59	COLOR	255.0	312.5	0	.12	1	1
21B104/043	19:04:59	COLOR	27.5	65 0	0	.12	1	1
22B107/044	07:19 23	COLOR	187.5	260.0	10	.12	1	4
22B112/044	10·32·59	COLOR	285 0	290.0	-10	.12	1	4
21B124/045	19:04 59	COLOR	122.5	180.0	0	.12	1	1
22B126/046	09:59 59	COLOR	75.0	140.0	-30	.12	1	4
22B130/046	10 32 59	COLOR	285 0	290.0	-10	.12	1	4
22B134/046	13.20:49	COLOR	40 0	50.0	-10	.12	1	4
22B142/047	12:29:59	COLOR	7.5	72.5	-20	.12	1	3
22B152/048	10:31 59	COLOR	285.0	290.0	-10	.12	1	4
22B156/048	12:29 59	COLOR	140 0	182 5	-30	.12	1	3
22B181/049	10.31·59	COLOR	285 0	290.0	-10	.12	1	4
22B185/049	12·29:59	COLOR	182 5	265.0	0	.12	1	3
22B191/050	10:32 00	COLOR	285.0	290.0	-10	.12	1	4
22B197/051	06:33:59	COLOR	22.5	32.5	-20	12	1	4
22B207/051	10.34 59	COLOR	285.0	290.0	-10	.12	1	4
21B220/052	16:36 41	COLOR	140 0	217.5	10	.12	1	5
21B227/053	12.14.59	COLOR	272 5	335.0	-30	.12	1	3
22B233/054	10 03·00	COLOR	305 0	310.0	-10	.12	1	5
21B238/054	16·36 00	COLOR	22 5	27.5	-10	.12	1	5
21B240/054	16:40 00	COLOR	215.0	227.5	-30	.12	1	3
21B243/054	17:40:59	COLOR	30.0	35.0	-10	.12	1	5
21B245/054	17.44:59	COLOR	215.0	227 5	-30	12	1	3
21B249/054	18.10.59	COLOR	22 5	27.5	-10	12	1	5
21B250/054	18:14:59	COLOR	215.0	227.5	-30	.12	1	3
21B252/054	18.28·59	COLOR	215.0	227.5	-30	.12	1	3
21B253/054	18·30:59	COLOR	22.5	27.5	-10	12	1	5
21C001/054	18:40.59	COLOR	22.5	27 5	-10	.12	1	5
21C003/054	18:44.59	COLOR	215.0	227.5	-30	.12	1	3
22C009/055	09:58·00	COLOR	305 0	310.0	-10	.12	1	5
21C013/055	12.20.00	COLOR	177.5	272.5	-30	.12	1	3
22C017/056	09:47:59	COLOR	305.0	310.0	-10	.12	1	5
22C037/057	07:31.24	COLOR	285.0	297.5	-20	.12	1	4
21C048/057	12:19:59	COLOR	102.5	177.5	-10	.12	1	3
21C056/058	12:19:59	COLOR	10.0	110.0	-10	.12	1	3
22C066/060	11:09:59	COLOR	265.0	305.0	-10	.12	1	3

VL-2 INFRARED TRIPLET CAMERA EVENTS

INFRARED TRIPLET CAMERA EVENTS

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
22A036/005	14 59.59	IR	65.0	180.0	-20	.12	1	4
22A038/006	08:00 00	IR	305.0	310.0	-10	.12	1	4
22A159/021	12:32:38	IR	155.0	327.5	0	.12	1	4
21A183/023	11.13.59	IR	55.0	60.0	-10	.12	1	4
22A186/023	11:19 59	IR	285.0	290.0	-10	12	1	4
21A188/023	12:22 18	IR	202.5	282.5	-30	.12	1	4
22A191/023	12:42:14	IR	75 0	165.0	-30	.12	1	4
21A211/025	12:15 51	IR	25.0	65.0	-10	.12	1	4
21A214/025	12:34 34	IR	120.0	250.0	-20	.12	1	4
22B017/033	08.54 01	IR	172.5	212.5	10	.12	1	4
22B037/035	13:35 00	IR	102.5	112.5	-30	.12	1	4
21B065/039	14:22:59	IR	30.0	35.0	-10	.12	1	5
21B067/039	16:37:59	IR	22.5	27.5	-10	.12	1	5
21B069/039	17.42:59	IR	30.0	35.0	-10	.12	1	5
21B071/039	18.12.59	IR	22.5	27.5	-10	.12	1	5
21B073/039	18 32 59	IR	22.5	27.5	-10	.12	1	5
21B075/039	18 42:59	IR	22.5	27.5	-10	.12	1	5
22B108/044	07:27 44	IR	187.5	260.0	10	.12	1	4
22B113/044	10.35 59	IR	285.0	290.0	-10	.12	1	4
22B127/046	10.06 59	IR	75.0	140.0	-30	.12	1	4
22B131/046	10:35.59	IR	285.0	290.0	-10	.12	1	4
22B135/046	13.22:49	IR	40.0	50.0	-10	.12	1	4
22B143/047	12:39 59	IR	7.5	72.5	-20	.12	1	3
22B153/048	10:34 59	IR	285.0	290.0	-10	.12	1	4
22B157/048	12:39:59	IR	140.0	182.5	-30	.12	1	3
22B182/049	10.34 59	IR	285 0	290.0	-10	.12	1	4
22B186/049	12 39 59	IR	182.5	265.0	0	.12	1	3
22B192/050	10:35:00	IR	285.0	290.0	-10	.12	1	4
22B196/051	06.32 19	IR	22.5	32.5	-20	.12	1	4
22B206/051	10.29 59	IR	285.0	290.0	-10	.12	1	4
21B221/052	16:44.41	IR	140 0	217.5	10	.12	1	4
21B228/053	12:24 59	IR	272.5	335.0	-30	.12	1	3
22B234/054	10:06 00	IR	305.0	310.0	-10	.12	1	5
21B239/054	16.38.00	IR	22.5	27.5	-10	.12	1	5
21B241/054	16 43 00	IR	215.0	227.5	-30	.12	1	3
21B244/054	17:42.59	IR	30.0	35.0	-10	.12	1	5
21B246/054	17:47.59	IR	215 0	227.5	-30	.12	1	3
21B249/054	18.12.59	IR	22.5	27.5	-10	.12	1	5
21B251/054	18:17 59	IR	215.0	227.5	-30	.12	1	3
21B254/054	18 32.59	IR	22.5	27.5	-10	.12	1	5
21B255/054	18.34.59	IR	215.0	227.5	-30	.12	1	3
21C002/054	18 42 59	IR	22.5	27.5	-10	.12	1	5
21C004/054	18:47 59	IR	215.0	227.5	-30	.12	1	3
22C010/055	10.01.00	IR	305.0	310.0	-10	.12	1	5
21C014/055	12.30.00	IR	177.5	272.5	-30	.12	1	3
22C018/056	09:50 59	IR	305.0	310.0	-10	.12	1	5
22C038/057	07:33:17	IR	285.0	297.5	-20	.12	1	4
21C049/057	12:29 59	IR	102.5	177.5	-10	.12	1	3
21C057/058	12:29:59	IR	10.0	110.0	-10	.12	1	3
22C067/060	11:19.59	IR	265.0	305.0	-10	.12	1	3

VL-2 VISUAL AND IR SINGLET CAMERA EVENTS

VISUAL AND INFRARED SINGLET CAMERA EVENTS

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
21A100/014	17 08.59	IR2	150.0	190.0	10	.12	1	4
22A198/025	02·06.31	BLU	250.0	255.0	30	.04	1	2
22A199/025	02.41·31	BLU	225.0	230 0	30	04	1	1
22A200/025	03.26.31	BLU	195 0	200.0	20	04	1	1
22A233/029	03:03·11	BLU	265.0	270.0	20	.04	1	1
22A234/029	03.18.11	BLU	255.0	260.0	20	.04	1	1
22A235/029	03·43 11	BLU	237 5	242.5	30	04	1	1
21B062/039	11:40.15	BLU	215.0	290.0	-50	04	1	4
21B063/039	12·18·30	BLU	180.0	217.5	-50	.04	1	4
21B085/040	11:36.58	GRN	215.0	290.0	-50	.04	1	4
21B086/040	12:15·13	GRN	180.0	217.5	-50	.04	1	4
22B088/041	11·34.22	RED	52.5	75.0	-50	04	1	4
22B089/041	12·09 44	RED	72.5	142 5	-50	04	1	4
22B099/042	11:30.51	GRN	52.5	75.0	-50	.04	1	4
22B100/042	12:06·13	GRN	72.5	142.5	-50	.04	1	4
22B102/043	11:27 09	BLU	52.5	75.0	-50	.04	1	4
22B103/043	12:02.31	BLU	72.5	142.5	-50	04	1	4
22B114/044	11·23.19	RED	140.0	162.5	-50	.04	1	4
22B115/044	11:58 41	RED	75.0	145.0	-30	.04	1	4
22B122/045	11·19·22	GRN	140.0	162.5	-50	.04	1	4
22B123/045	11:54:45	GRN	75.0	145.0	-30	.04	1	4
22B132/046	11:15.36	BLU	140.0	162.5	-50	.04	1	4
22B133/046	11·50·59	BLU	75.0	145.0	-30	.04	1	4
21B140/047	11·09 08	RED	170.0	225.0	-30	.04	1	4
21B141/047	11:45.50	RED	225.0	280.0	-30	.04	1	4
21B154/048	11:04·47	BLU	170.0	225.0	-30	.04	1	4
21B155/048	11:41·29	BLU	225.0	280 0	-30	04	1	4
22B162/048	22.46:02	BLU	280.0	285.0	20	.04	1	1
22B163/048	22 47.34	RED	277.5	282.5	20	.04	1	0
22B164/048	22 49.09	IR2	277.5	282.5	20	.04	1	0
22B165/048	22·50·41	GRN	277.5	282.5	20	.04	1	1
22B166/048	22.52.13	IR1	275.0	280.0	20	.04	1	0
22B167/048	22.53·45	IR3	275.0	280 0	20	04	1	0
22B169/048	23:16 25	BLU	260.0	265 0	30	.04	1	1
22B170/048	23:17·57	RED	260.0	265 0	30	.04	1	1
22B171/048	23:19 29	IR2	257.5	262.5	30	.04	1	1
22B172/048	23.40 47	GRN	245.0	250.0	30	.04	1	1
22B173/048	23·42·19	IR1	242.5	247.5	30	.04	1	1
22B174/048	23·43·51	IR3	242.5	247.5	30	.04	1	1
22B176/048	23.46 55	BLU	240.0	245.0	30	.04	1	2
22B177/048	23·48.27	RED	240.0	245.0	30	.04	1	1
22B178/048	23·49 59	IR2	237.5	242.5	30	.04	1	1
21B183/049	11:00·18	GRN	170.0	225 0	-30	.04	1	4
21B184/049	11 37.00	GRN	225.0	280.0	-30	.04	1	4
22B193/050	10.55 45	RED	135.0	190.0	-30	.04	1	4
21B194/050	11:32·27	RED	270.0	340.0	-30	.04	1	4
22B209/051	10.50:55	GRN	135.0	190.0	-30	.04	1	4
21B210/051	11.27.37	GRN	270.0	340.0	-30	.04	1	4
21B216/052	10:45.56	BLU	280.0	335.(	-10	.04	1	4
21B217/052	11:22·37	BLU	235.0	290.0	-10	.04	1	4
21B225/053	10:40.41	GRN	280.0	335.0	-10	.04	1	4

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	OFFSET	GAIN
21B226/053	11:17.22	GRN	235 0	290 0	-10	.04	1	4
21B235/054	10:35:11	RED	235.0	270 0	-10	.04	1	4
21B236/054	11:12 51	RED	270 0	315 0	-10	.04	1	4
21C011/055	10:29.35	GRN	200 0	235 0	-10	.04	1	4
21C012/055	11:07:15	GRN	157 5	202.5	-10	.04	1	4
21C019/056	10:23.30	RED	200 0	235.0	-10	.04	1	4
21C020/056	11:01 10	RED	157 5	202 5	-10	.04	1	4
21C046/057	10 17 31	BLU	200 0	235.0	-10	04	1	4
21C047/057	10.55:11	BLU	157.5	202 5	-10	04	1	4
21C054/058	10·11·20	BLU	200 0	235.0	0	.04	1	4
21C055/058	10·49:00	BLU	157 5	202 5	0	.04	1	4
21C059/059	10:04·49	GRN	200 0	235 0	0	.04	1	4
21C060/059	10.42 29	GRN	157.5	202.5	0	.04	1	4
21C061/059	11.09 59	BLU	80 0	157.5	0	.04	1	4
21C062/059	11:19·59	GRN	80 0	157 5	0	.04	1	4
21C063/059	11.29·59	RED	80.0	157.5	0	.04	1	4
21C064/060	09:58·14	RED	200.0	235.0	0	.04	1	4
21C065/060	10:35.53	RED	157.5	200.0	0	.04	1	4
21C070/061	10:29:00	RED	292.5	335.0	-10	.04	1	4

VL-2 SUN IMAGERY CAMERA EVENTS

VL-2 RESCANNING CAMERA EVENTS

RESCANNING CAMERA EVENTS

CELABEL	LLT	DIODE	AZSTART	AZSTOP	EPA	STEP	DATAPATH	RESCAN
22A002/000	09:55:33	SURV	10 0	325 0	-10	.12	RT/UH	186
22A007/001	09.28 56	BB2	80.0	127.5	-30	.04	RT/UH	475
22A010/001	13 42:11	BB1	125.0	125.0	-50	04	RT/SB	67
22A015/002	13:42.11	BB1	125.0	125.0	-50	.04	RT/SB	50
21A033/004	20 13 59	COLOR	170.0	170 0	10	.12	REC/UH	77
21A034/005	09.21:09	BB3	270.0	297 5	-20	.04	RT/UH	975
21A040/006	11:00 00	BB1	35.0	60.0	-20	.04	REC/UH	23
21A048/007	03:44.59	COLOR	290.0	290.0	10	.12	REC/UH	57
22A055/008	12:52 11	BB1	135.0	135 0	-40	.04	RT/SB	94
21A068/009	12.00:10	BB1	245.0	245.0	-40	04	RT/SB	50
22A073/010	12:10.11	BB1	135.0	135 0	-40	.04	RT/SB	94
21A077/011	09 44.20	SURV	125.0	335.0	-20	.12	RT/UH	90
21A078/011	14.30:10	BB1	245.0	245.0	-40	04	RT/SB	50
21A085/012	15.15:10	BB1	260.0	260.0	-40	04	RT/SB	50
22A091/013	14:24.10	BB1	90.0	90 0	-40	.04	RT/SB	50
21A098/014	13:57.11	BB1	260.0	260.0	-40	.04	RT/SB	50
22A107/015	13.42.10	BB1	90.0	90.0	-40	.04	RT/SB	59
21A117/016	13.39.10	BB1	260.0	260.0	-40	.04	RT/SB	50
22A126/017	12 25:10	BB1	135 0	135.0	-40	.04	RT/SB	99
21A131/018	13 21.11	BB1	260 0	260.0	-40	.04	RT/SB	50
22A138/019	12:25.10	BB3	67.5	67.5	-10	.04	RT/SB	94
21A146/020	13.21 10	BB1	260.0	260.0	-40	.04	RT/SB	50
21A167/022	13.20:54	BB1	260.0	260.0	-40	.04	RT/SB	52
21A171/022	19.58:42	COLOR	175 0	175 0	10	.12	REC/UH	36
21A172/022	20:24:17	COLOR	177.5	177.5	10	.12	REC/UH	37
21A173/022	20:49:52	COLOR	182.5	182.5	10	12	REC/UH	34
21A197/024	14.33.11	BB1	260.0	260.0	-40	.04	RT/SB	50
21A219/026	13 15:11	BB1	260.0	260.0	40	.04	RT/SB	50
22B078/040	03:30:59	COLOR	107.5	107.5	10	.12	REC/UH	37
22B079/040	03.56:29	COLOR	112.5	112.5	10	.12	REC/UH	37
22B080/040	04 21:59	COLOR	117.5	117 5	10	.12	REC/UH	34
22B115/044	11:58 41	RED	75.0	145.0	-30	.04	RT/UH	79
22B123/045	11:54.45	GRN	75.0	145.0	-30	04	RT/UH	68
21B140/047	11.09:08	RED	170.0	225.0	-30	04	RT/UH	25
21B154/048	11:04 47	BLU	170.0	225 0	-30	04	RT/UH	25
21B183/049	11:00 18	GRN	170.0	225.0	-30	.04	RT/UH	25
22B193/050	10.55:45	RED	135.0	190.0	-30	.04	RT/UH	25
22B209/051	10:50:55	GRN	135.0	190.0	-30	.04	RT/UH	25
21B216/052	10:45.56	BLU	280.0	335.0	-10	.04	RT/UH	25
21B225/053	10:40:41	GRN	280.0	335.0	-10	.04	RT/UH	25

VL-2 IPL PICTURE IDENTIFIERS (EDR ORDER NUMBERS)

VL-2
IPL PICTURE IDENTIFIERS
(EDR ORDER NUMBERS)

CELABEL	DIODE	IPL PIC ID
22A001/000	BB1	77/02/20/212911
		77/02/20/212935
		77/02/20/213013
22A002/000	SURV	77/02/20/213333
		77/02/20/213401
		77/02/20/213426
		77/02/20/213451
22A003/000	BLU	77/02/20/213712
	GRN	77/02/20/213944
	RED	77/02/20/214359
22A004/000	CAL	77/02/20/215139
22A005/000	BB2	77/02/20/215409
		77/02/20/215436
22A006/001	BLU	77/02/20/215710
	GRN	77/02/20/220017
	RED	77/02/20/220238
22A007/001	BB2	77/02/20/220542
		77/02/20/220611
		77/02/20/220649
22A008/001	BB1	77/02/20/221027
		77/02/20/221052
22A009/001	BB1	77/02/22/163518
22A010/001	BB1	77/02/22/163753
22A011/001	BB3	77/02/22/164054
		77/02/22/164126
		77/02/22/164203
22A012/001	CAL	77/02/22/164457
22A013/002	BLU	77/02/22/164754
	GRN	77/02/22/165136
	RED	77/02/22/165409
22A014/002	SURV	77/02/22/165656
22A015/002	BB1	77/02/22/170138
22A016/002	BLU	77/02/22/170401
	GRN	77/02/22/170708
	RED	77/02/22/170940
22A017/002	CAL	77/02/22/171203
22A018/002	BLU	77/02/22/171427
	GRN	77/02/22/171651
	RED	77/02/22/171915
22A019/003	BLU	77/02/17/214923
	GRN	77/02/17/215429
	RED	77/02/17/215757
22A020/003	BB1	77/02/17/220202
		77/02/17/220315
		77/02/17/220355
22A021/003	SURV	77/02/17/220756
21A022/003	BLU	77/02/17/221200
	GRN	77/02/17/221554
	RED	77/02/17/221900
21A023/003	BB1	77/02/17/222535
21A024/003	BB3	77/02/17/222839
21A025/003	SURV	77/02/17/223354
		77/02/17/223505
21A026/003	CAL	77/02/17/223814
22A027/004	BB1	77/02/17/224231
21A028/004	BLU	77/02/17/224547
		77/02/17/224631
	GRN	77/02/17/225019
		77/02/17/225049
	RED	77/02/17/225711
		77/02/17/225743
21A029/004	SURV	77/02/17/230054
21A030/004	CAL	77/02/17/230333
21A031/004	BB1	77/02/20/235858
		77/02/20/235940
		77/02/21/000012
21A032/004	BB2	77/02/21/000419
21A033/004	BLU	77/02/21/000801
	GRN	77/02/21/001217
	RED	77/02/21/001804
21A034/005	BB3	77/02/21/002202
		77/02/21/002246
		77/02/21/002322
22A035/005	SURV	77/02/21/002724
22A036/005	IR3	77/02/21/003304
		77/02/21/003340
	IR2	77/02/21/003814
		77/02/21/003947
	IR1	77/02/21/004407
		77/02/21/004440
22A037/005	CAL	77/02/21/004925
22A038/006	IR3	77/02/21/013442
	IR2	77/02/21/013811
	IR1	77/02/21/014110
21A039/006	BB1	77/02/21/014446
		77/02/21/014524
		77/02/21/014558
21A040/006	BB1	77/02/21/014945
22A041/006	BB1	77/02/21/015401
21A042/006	BB1	77/02/21/015901
22A043/006	SURV	77/02/21/020313
21A044/006	BB2	77/02/21/020834
		77/02/21/020909
21A045/006	CAL	77/02/21/021230
22A046/006	BB2	77/02/21/021523
21A047/006	SUN	77/02/21/021926
21A048/007	BLU	77/02/21/022350
	GRN	77/02/21/022834
21A048/007	RED	77/02/21/023225
21A049/007	SUN	77/02/21/023538
21A050/007	BB4	77/02/21/024116
		77/02/21/024150
		77/02/21/024230
22A051/007	SURV	77/02/21/024548
21A052/007	BB2	77/02/21/024934
		77/02/21/024959
21A053/007	CAL	77/02/21/025302
21A054/008	BB4	77/02/21/025712
		77/02/21/025758
		77/02/21/025840
22A055/008	BB1	77/02/21/030354
22A056/008	BB2	77/02/22/201457
21A057/008	BB2	77/02/22/201803
22A058/008	BB2	77/02/22/202110
21A059/008	BB3	77/02/22/202521
21A060/008	SURV	77/02/22/202801
21A061/008	BB1	77/02/22/203026
21A062/009	BB2	77/02/22/203313
22A063/009	BB2	77/02/22/203620
22A064/009	BLU	77/02/22/203923
	GRN	77/02/22/204158
	RED	77/02/22/204612
21A065/009	BB3	77/02/22/204838
21A066/009	CAL	77/02/22/205105
22A067/009	BB4	77/02/22/205437
		77/02/22/205512
		77/02/22/205544
21A068/009	BB1	77/02/22/205914
21A069/009	BB3	77/02/22/210209
22A070/010	BB2	77/02/21/005533
21A071/010	BB4	77/02/21/010009
		77/02/21/010058
		77/02/21/010143
21A072/010	BLU	77/02/21/010621
	GRN	77/02/21/011056
	RED	77/02/21/011428
22A073/010	BB1	77/02/21/011758
21A074/010	BB1	77/02/21/012153
21A075/010	BB3	77/02/21/013046
		77/02/21/013118
21A076/011	BB4	77/02/21/013612
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		77/02/21/013813
21A077/011	SURV	77/02/21/014326
		77/02/21/014452
		77/02/21/014621
21A078/011	BB1	77/02/21/015009
21A079/012	BB1	77/02/22/212008
		77/02/22/212051
		77/02/22/212129
		77/02/22/212206
21A080/012	BB1	77/02/22/212542
		77/02/22/212628
		77/02/22/212708
21A081/012	BLU	77/02/22/213044
	GRN	77/02/22/213411
	RED	77/02/22/213823
21A082/012	BLU	77/02/22/214622
	GRN	77/02/22/214910
	RED	77/02/22/215159
21A083/012	CAL	77/02/22/215524
21A084/012	BLU	77/02/22/215859
	GRN	77/02/22/220307
	RED	77/02/22/220640
21A085/012	BB1	77/02/22/221122
22A086/012	SURV	77/02/22/221636
22A087/012	CAL	77/02/22/222159
22A088/013	BB2	77/02/21/015851
		77/02/21/015932
		77/02/21/020015
		77/02/21/020053
22A089/013	BB2	77/02/21/020541
		77/02/21/020647
		77/02/21/020711
21A090/013	BB1	77/02/21/021142
22A091/013	BB1	77/02/21/021644
22A092/013	SURV	77/02/21/022057
22A093/013	BB3	77/02/21/022717
		77/02/21/022751
22A094/013	CAL	77/02/21/023149
22A095/014	BB1	77/02/21/023632
		77/02/21/023719
		77/02/21/023808
22A096/014	BB3	77/02/21/024226
		77/02/21/024305
		77/02/21/024343
		77/02/21/024419
22A097/014	BB3	77/02/21/025052
		77/02/21/025126
		77/02/21/025204
21A098/014	BB1	77/02/21/025540
21A099/014	BLU	77/02/21/025929
	GRN	77/02/21/030254
	RED	77/02/21/030619
21A100/014	IR2	77/02/21/030926
21A101/014	BLU	77/02/21/031251

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CELABEL	DIODE	IPL PIC ID
21A101/014	GRN	77/02/21/031629
	RED	77/02/21/032149
21A102/014	CAL	77/02/21/032546
22A103/014	BB2	77/02/21/032948
22A104/014	BB4	77/02/21/033351
		77/02/21/033424
22A105/015	BB4	77/02/21/034108
		77/02/21/034139
		77/02/21/034210
		77/02/21/034240
22A106/015	BB4	77/02/21/034537
		77/02/21/034606
		77/02/21/034643
22A107/015	BB1	77/02/21/034935
21A108/015	BB4	77/02/21/035231
		77/02/21/035306
21A109/015	SURV	77/02/21/040421
21A110/015	BB2	77/02/21/040719
21A111/015	BB3	77/02/21/041016
21A112/015	SUN	77/02/21/041330
21A113/015	SUN	77/02/21/041704
21A114/016	BB2	77/03/08/204853
		77/03/08/204943
		77/03/08/205026
		77/03/08/205114
21A115/016	BB2	77/03/08/205630
		77/03/08/205702
		77/03/08/205734
21A116/016	BLU	77/03/08/210121
	GRN	77/03/08/210415
	RED	77/03/08/210704
21A117/016	BB1	77/03/08/211424
22A118/016	BB4	77/03/08/211744
		77/03/08/211820
22A119/016	BB3	77/03/08/212103
21A120/016	SURV	77/03/08/212744
		77/03/08/212815
22A121/016	BB3	77/03/08/213217
		77/03/08/213254
21A122/017	BB4	77/03/08/213634
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21A123/017	BB4	77/03/08/214206
		77/03/08/214239
		77/03/08/214310
22A124/017	BB1	77/03/08/214641
21A125/017	BB1	77/03/08/215136
22A126/017	BB1	77/03/08/215750
21A127/017	BB4	77/03/08/220303
21A128/017	BB2	77/03/08/220657
21A129/018	BB4	77/02/22/215755
		77/02/22/215838
21A130/018	BB4	77/02/22/220304
		77/02/22/220348
		77/02/22/220435
21A131/018	BB1	77/02/22/220839
21A132/018	BB1	77/02/22/221445
		77/02/22/221545
22A133/018	BB3	77/02/22/222104
21A134/018	BB4	77/02/22/222535
22A135/018	BB4	77/02/22/223224
		77/02/22/223300
22A136/019	BB4	77/02/22/223558
		77/02/22/223622
22A137/019	BB4	77/02/22/223920
		77/02/22/223946
		77/02/22/224012
22A138/019	BB3	77/02/22/224316
21A139/019	BB4	77/02/22/224647
		77/02/22/224718
22A140/019	BB4	77/02/22/225235
		77/02/22/225302
22A141/019	BB4	77/02/22/225549
		77/02/22/225620
21A142/019	BB4	77/02/22/225959
		77/02/22/230027
22A143/019	BB4	77/02/22/230308
		77/02/22/230337
22A144/020	BLU	77/02/25/010309
	GRN	77/02/25/010731
	RED	77/02/25/011200
22A145/020	BLU	77/02/25/011618
	GRN	77/02/25/012108
	RED	77/02/25/012552
21A146/020	BB1	77/02/25/013050
21A147/020	BB4	77/02/25/013501
		77/02/25/013608
22A148/020	BB4	77/02/25/014228
		77/02/25/014307
		77/02/25/014423
21A149/020	BB4	77/02/25/014806
		77/02/25/014923
21A150/020	BB3	77/02/25/015246
21A151/020	BB4	77/02/25/015647
22A152/021	BLU	77/03/09/181652
	GRN	77/03/09/182048
	RED	77/03/09/182536
22A153/021	BLU	77/03/09/182834
	GRN	77/03/09/183258
22A153/021	RED	77/03/09/183726
22A154/021	BB2	77/03/09/184212
22A155/021	BB2	77/03/09/184609
22A156/021	BB2	77/03/09/184914
21A157/021	SURV	77/03/09/185221
22A158/021	BLU	77/03/09/190113
		77/03/09/190159
	GRN	77/03/09/190637
		77/03/09/190714
	RED	77/03/09/191137
		77/03/09/191227
22A159/021	IR3	77/03/09/191614
		77/03/09/191639
	IR2	77/03/09/191938
		77/03/09/192009
	IR1	77/03/09/192610
		77/03/09/192635
22A160/021	SURV	77/03/09/193026
		77/03/09/193100
21A161/021	BB4	77/03/09/193711
22A162/021	BB2	77/03/09/194232
22A163/021	BB2	77/03/09/194810
21A164/022	BB4	77/02/21/031421
		77/02/21/031455
		77/02/21/031529
		77/02/21/031602
22A165/022	BLU	77/02/21/031922
	GRN	77/02/21/032313
	RED	77/02/21/032638
22A166/022	BLU	77/02/21/033005
	GRN	77/02/21/033458
	RED	77/02/21/033943
21A167/022	BB1	77/02/21/034644
21A168/022	BB4	77/02/21/035239
21A169/022	SUN	77/02/21/035751
21A170/022	SUN	77/02/21/040210
21A171/022	BLU	77/02/21/040519
	GRN	77/02/21/040845
	RED	77/02/21/041222
21A172/022	BLU	77/02/21/041611
	GRN	77/02/21/042010
	RED	77/02/21/042353
21A173/022	BLU	77/02/21/042946
	GRN	77/02/21/043347
	RED	77/02/21/043809
21A174/023	BB2	77/02/21/123817
		77/02/21/123944
21A175/023	CAL	77/02/21/124356
22A176/023	BB1	77/02/21/124926
22A176/023	BB1	77/02/21/125026
22A177/023	CAL	77/02/21/125544
22A178/023	BB2	77/02/21/130137
		77/02/21/130251
21A179/023	BLU	77/02/21/130927
	GRN	77/02/21/131538
	RED	77/02/21/132217
21A180/023	BLU	77/02/21/132714
	GRN	77/02/21/133218
	RED	77/02/21/133733
21A181/023	SURV	77/02/21/134207
21A182/023	BLU	77/02/21/134723
	GRN	77/02/21/135316
	RED	77/02/21/135853
21A183/023	IR3	77/02/21/140459
	IR2	77/02/21/141029
	IR1	77/02/21/141628
22A184/023	SURV	77/02/21/142024
22A185/023	BLU	77/02/23/011515
	GRN	77/02/23/011843
	RED	77/02/23/012306
22A186/023	IR3	77/02/23/012632
	IR2	77/02/23/012950
	IR1	77/02/23/013442
21A187/023	BLU	77/02/23/013841
	GRN	77/02/23/014242
	RED	77/02/23/014618
21A188/023	IR3	77/02/23/015100
	IR2	77/02/23/015805
	IR1	77/02/23/020450
21A189/023	SURV	77/02/23/021240
22A190/023	BLU	77/02/23/021936
	GRN	77/02/23/022619
	RED	77/02/23/023217
22A191/023	IR3	77/02/23/023854
	IR2	77/02/23/024457
	IR1	77/02/23/025039
22A192/023	SURV	77/02/23/025658
21A193/024	BB2	77/02/21/052823
21A194/024	BLU	77/02/21/053116
	GRN	77/02/21/053449
	RED	77/02/21/053814
21A195/024	BLU	77/02/21/054119
	GRN	77/02/21/054432
	RED	77/02/21/054817
21A196/024	BLU	77/02/21/055234
	GRN	77/02/21/055559
	RED	77/02/21/055923
21A197/024	BB1	77/02/21/060717

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CELABEL	DIODE	IPL PIC ID
22A198/025	BLU	77/02/21/125207
22A199/025	BLU	77/02/21/125713
22A200/025	BLU	77/02/21/130257
22A201/025	SUN	77/02/21/130922
22A202/025	SUN	77/02/21/131516
22A203/025	SUN	77/02/21/132008
21A204/025	BB4	77/02/21/132449
22A205/025	BB1	77/02/21/132957
		77/02/21/133117
22A206/025	BB3	77/02/21/133829
		77/02/21/133917
22A207/025	BB3	77/02/21/134511
		77/02/21/134634
21A208/025	BLU	77/02/21/135216
	GRN	77/02/21/135758
	RED	77/02/21/140356
21A209/025	BLU	77/02/21/140945
	GRN	77/02/21/141422
	RED	77/02/21/141832
21A210/025	BLU	77/02/23/011416
	GRN	77/02/23/011820
	RED	77/02/23/012204
21A211/025	IR3	77/02/23/012602
	IR2	77/02/23/012937
	IR1	77/02/23/013251
21A212/025	SURV	77/02/23/013634
21A213/025	BLU	77/02/23/014050
		77/02/23/014147
	GRN	77/02/23/014804
		77/02/23/014839
	RED	77/02/23/015303
		77/02/23/015409
21A214/025	IR3	77/02/23/015831
		77/02/23/015915
	IR2	77/02/23/020305
		77/02/23/020354
	IR1	77/02/23/020804
		77/02/23/020839
21A215/025	SURV	77/02/23/021506
		77/02/23/021538
21A216/025	BB3	77/02/23/022015
21A217/026	BLU	77/02/21/125048
	GRN	77/02/21/125721
	RED	77/02/21/130248
21A218/026	BLU	77/02/21/130747
	GRN	77/02/21/131231
	RED	77/02/21/131804
21A219/026	BB1	77/02/21/132334
22A220/027	BB4	77/02/21/133041
22A220/027	BB4	77/02/21/133132
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		77/02/21/133348
21A221/027	BB4	77/02/21/133954
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		77/02/21/134139
		77/02/21/134248
		77/02/21/134354
21A222/027	BB4	77/02/21/135120
		77/02/21/135226
22A223/028	BB4	77/02/21/135904
		77/02/21/135955
		77/02/21/140045
		77/02/21/140144
21A224/028	SURV	77/02/21/140706
21A225/028	BB3	77/02/21/141600
		77/02/21/141647
		77/02/21/141726
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		77/02/21/141855
21A226/028	BB4	77/02/21/142209
		77/02/21/142233
21A227/028	BB2	77/02/21/142512
21A228/028	SURV	77/02/21/142825
21A229/028	BB2	77/02/21/143106
21A230/028	BB2	77/02/21/143553
21A231/028	SUN	77/02/21/143827
21A232/028	SUN	77/02/21/144057
22A233/029	BLU	77/02/21/125335
22A234/029	BLU	77/02/21/125836
22A235/029	BLU	77/02/21/130307
22A236/029	BB4	77/02/21/130813
		77/02/21/130920
21A237/029	BB4	77/02/21/131630
		77/02/21/131735
		77/02/21/131835
		77/02/21/131952
		77/02/21/132100
21A238/029	BB4	77/02/21/132837
		77/02/21/132916
22A239/029	BB2	77/02/21/133400
22A240/029	SURV	77/02/21/133924
21A241/029	BB2	77/02/21/134410
22A242/029	BB2	77/02/21/134906
22A243/030	BB1	77/02/21/135327
21A244/030	SURV	77/02/21/135901
22A245/030	SURV	77/02/21/140323
21A246/030	BB2	77/02/21/140740
22A247/030	BB2	77/02/23/015902
21A248/030	BB2	77/02/23/020532
22A249/030	BB2	77/02/23/021227
21A250/030	BB2	77/02/23/021834
22A251/030	BB2	77/02/23/022439
22A252/030	BB4	77/02/23/023059
		77/02/23/023149
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		77/02/23/023318
		77/02/23/023402
22A253/030	BB4	77/02/23/024133
		77/02/23/024215
22A254/030	BLU	77/02/23/024857
	GRN	77/02/23/025516
	RED	77/02/23/030113
22A255/030	BB4	77/02/23/030623
22B000/031	BB4	77/02/21/042613
		77/02/21/042646
		77/02/21/042713
		77/02/21/042738
21B001/031	BB4	77/02/21/043024
22B002/031	BB3	77/02/21/043344
		77/02/21/043425
22B003/031	BB4	77/02/21/044332
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		77/02/21/044437
		77/02/21/044503
22B004/031	BB4	77/02/21/044755
		77/02/21/044823
		77/02/21/044850
22B005/031	BB1	77/02/21/045122
21B006/031	SUN	77/02/21/045353
21B007/031	SUN	77/02/21/045628
21B008/032	BB4	77/02/21/050047
21B009/032	BB4	77/02/21/050511
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		77/02/21/050637
21B010/032	BB4	77/02/21/051024
		77/02/21/051100
		77/02/21/051135
22B011/032	SURV	77/02/21/051434
22B012/032	BB2	77/02/23/020015
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22B013/032	BB3	77/02/23/021219
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22B014/032	BB3	77/02/23/022110
21B015/033	BB1	77/02/23/023007
21B015/033	BB1	77/02/23/023122
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22B016/033	BLU	77/02/23/023905
	GRN	77/02/23/024531
	RED	77/02/23/025230
22B017/033	IR3	77/02/23/025911
	IR2	77/02/23/030438
	IR1	77/02/23/030827
22B018/033	SURV	77/02/23/031127
22B019/033	CAL	77/02/23/031655
22B020/033	BB1	77/02/23/031946
21B021/033	BB1	77/02/23/032345
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		77/02/23/032523
21B022/033	BB3	77/02/23/032828
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		77/02/23/032933
22B023/034	BLU	77/02/23/140841
	GRN	77/02/23/141318
	RED	77/02/23/141717
21B024/034	BLU	77/02/23/142025
	GRN	77/02/23/142325
	RED	77/02/23/142647
22B025/034	BB2	77/02/23/143029
22B026/034	SURV	77/02/23/143336
22B027/034	BLU	77/02/23/143703
	GRN	77/02/23/144156
	RED	77/02/23/144612
22B028/034	BB2	77/02/23/144838
21B029/034	BB2	77/02/23/145129
22B030/034	BB2	77/02/23/145426
21B031/034	BB2	77/02/23/150051
21B032/034	BB2	77/02/23/150457
		77/02/23/150527
		77/02/23/150556
		77/02/23/150623
21B033/034	BB1	77/02/27/215821
		77/02/27/220051
		77/02/27/220257
21B034/035	BB3	77/02/27/221231
		77/02/27/221346
		77/02/27/221443
21B035/035	BB2	77/02/27/222342
		77/02/27/222420
22B036/035	BLU	77/02/27/223659
	GRN	77/02/27/224542
	RED	77/02/27/225041
22B037/035	IR3	77/02/27/225417

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IPL PICTURE IDENTIFIERS

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CELABEL	DIODE	IPL PIC ID
22B037/035	IR2	77/02/27/225944
	IR1	77/02/27/230947
22B038/035	SURV	77/02/27/231901
21B039/036	BB4	77/02/23/123101
		77/02/23/123149
21B040/036	BB2	77/02/23/124027
		77/02/23/124130
		77/02/23/124247
		77/02/23/124346
22B041/036	BB1	77/02/23/125035
22B042/036	SURV	77/02/23/125451
21B043/036	BLU	77/02/23/125923
	GRN	77/02/23/130320
	RED	77/02/23/131011
22B044/036	BB3	77/02/23/131531
		77/02/23/131629
		77/02/23/131706
22B045/036	BB2	77/02/23/132132
		77/02/23/132212
22B046/037	BB2	77/02/23/132807
		77/02/23/132848
		77/02/23/132931
22B047/037	BB2	77/02/23/133556
		77/02/23/133631
21B048/037	BB2	77/02/23/133957
21B049/037	BB2	77/02/23/134416
21B050/037	SURV	77/02/23/134846
21B051/037	BB2	77/02/23/135209
22B052/037	BLU	77/02/23/135705
	GRN	77/02/23/140012
	RED	77/02/23/140242
21B053/037	BLU	77/02/25/123027
	GRN	77/02/25/123621
	RED	77/02/25/124155
21B054/038	BB3	77/02/25/124551
		77/02/25/124623
		77/02/25/124652
22B055/038	SURV	77/02/25/124955
22B056/038	BB1	77/02/25/125255
22B057/038	BB1	77/02/25/125747
		77/02/25/125812
		77/02/25/125835
22B058/038	BB1	77/02/25/130152
		77/02/25/130230
21B059/038	BB3	77/02/25/130523
		77/02/25/130553
21B060/038	BB1	77/02/25/130943
		77/02/25/131016
		77/02/25/131053
22B061/039	BB2	77/02/23/212343
		77/02/23/212511
		77/02/23/212613
21B062/039	BLU	77/02/23/213210
		77/02/23/213310
		77/02/23/213425
21B063/039	BLU	77/02/23/214104
		77/02/23/214210
21B064/039	BLU	77/02/23/214904
	GRN	77/02/23/215557
	RED	77/02/23/220311
21B065/039	IR3	77/02/23/220951
	IR2	77/02/23/221436
	IR1	77/02/23/221856
21B066/039	BLU	77/02/23/222218
	GRN	77/02/23/222718
	RED	77/02/23/223240
21B067/039	IR3	77/02/23/223726
	IR2	77/02/23/224142
	IR1	77/02/23/224651
21B068/039	BLU	77/02/23/225429
	GRN	77/02/23/225845
	RED	77/02/23/230311
21B069/039	IR3	77/02/23/230801
	IR2	77/02/23/231239
	IR1	77/02/23/231610
21B070/039	BLU	77/02/25/230237
	GRN	77/02/25/230643
	RED	77/02/25/231055
21B071/039	IR3	77/02/25/231520
	IR2	77/02/25/231849
	IR1	77/02/25/232346
21B072/039	BLU	77/02/25/232641
	GRN	77/02/25/233026
	RED	77/02/25/233440
21B073/039	IR3	77/02/25/234019
	IR2	77/02/25/234605
	IR1	77/02/25/235020
21B074/039	BLU	77/02/25/235452
	GRN	77/02/25/235851
	RED	77/02/26/000318
21B075/039	IR3	77/02/26/000634
	IR2	77/02/26/000950
	IR1	77/02/26/001255
22B076/039	BLU	77/02/26/002025
		77/02/26/002119
	GRN	77/02/26/002843
		77/02/26/002919
	RED	77/02/26/003617
22B076/039	RED	77/02/26/003907
22B077/039	RED/C	77/02/26/004440
22B078/040	BLU	77/02/23/212513
	GRN	77/02/23/213100
	RED	77/02/23/213556
22B079/040	BLU	77/02/23/214211
	GRN	77/02/23/214906
	RED	77/02/23/215556
22B080/040	BLU	77/02/23/220115
	GRN	77/02/23/220552
	RED	77/02/23/221103
22B081/040	SUN	77/02/23/221542
22B082/040	SUN	77/02/23/222144
22B083/040	SUN	77/02/23/222642
21B085/040	GRN	77/02/23/223200
		77/02/23/223249
		77/02/23/223346
21B086/040	GRN	77/02/23/223835
		77/02/23/223918
22B087/040	BLU	77/02/23/224430
	GRN	77/02/23/225010
	RED	77/02/23/225331
22B088/041	RED	77/02/23/230036
22B089/041	RED	77/02/23/230556
		77/02/23/230702
		77/02/23/230746
22B090/041	BB4	77/02/23/231216
22B091/041	BB2	77/02/27/230034
21B092/041	BLU	77/02/27/230354
	GRN	77/02/27/230750
	RED	77/02/27/231120
21B093/042	BB2	77/02/27/231434
21B094/042	BB1	77/02/27/231822
21B095/042	BB4	77/02/27/232333
		77/02/27/232451
21B096/042	BB4	77/02/27/232929
22B098/042	BB1	77/02/27/233505
22B099/042	GRN	77/02/27/234658
22B100/042	GRN	77/02/27/235105
		77/02/27/235154
		77/02/27/235320
22B101/042	BLU	77/02/27/235709
	GRN	77/02/28/000325
	RED	77/02/28/000813
22B102/043	BLU	77/02/23/232458
22B103/043	BLU	77/02/23/232843
		77/02/23/232919
		77/02/23/232954
21B104/043	BLU	77/02/23/233306
21B104/043	GRN	77/02/23/233647
	RED	77/02/23/234128
22B105/044	SUN	77/02/23/234605
22B106/044	SUN	77/02/23/235141
22B107/044	BLU	77/02/23/235706
	GRN	77/02/24/000439
	RED	77/02/24/001035
22B108/044	IR3	77/02/24/001624
	IR2	77/02/24/002210
	IR1	77/02/24/002802
22B109/044	SURV	77/02/24/003252
22B111/044	SURV	77/02/24/003831
22B112/044	BLU	77/02/24/004421
	GRN	77/02/24/005027
	RED	77/02/24/005557
22B113/044	IR3	77/02/27/235932
	IR2	77/02/28/000317
	IR1	77/02/28/000743
22B114/044	RED	77/02/28/001209
22B115/044	RED	77/02/28/001626
		77/02/28/001715
		77/02/28/001808
22B116/045	BB3	77/02/28/002228
22B117/045	BB3	77/02/28/002651
22B118/045	BB2	77/02/28/003136
21B119/045	BB2	77/02/28/003728
22B120/045	BB2	77/02/28/004154
21B121/045	BB2	77/02/28/004627
22B122/045	GRN	77/02/28/005048
22B123/045	GRN	77/02/28/005526
		77/02/28/005614
		77/02/28/005707
21B124/045	BLU	77/02/28/010109
	GRN	77/02/28/010533
	RED	77/02/28/011002
22B126/046	BLU	77/02/24/122928
	GRN	77/02/24/123311
	RED	77/02/24/123627
22B127/046	IR3	77/02/24/123909
	IR2	77/02/24/124159
	IR1	77/02/24/124438
22B128/046	SURV	77/02/24/124849
22B129/046	SURV	77/02/24/125308
22B130/046	BLU	77/02/24/125633
	GRN	77/02/24/130016
	RED	77/02/24/130900
22B131/046	IR3	77/02/24/131321
	IR2	77/02/24/131712
	IR1	77/02/24/132032

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CELABEL	DIODE	IPL PIC ID
22B132/046	BLU	77/02/24/132424
22B133/046	BLU	77/02/24/132809
		77/02/24/132848
		77/02/24/132930
22B134/046	BLU	77/02/24/133451
	GRN	77/02/24/133820
	RED	77/02/24/134251
22B135/046	IR3	77/02/24/134703
	IR2	77/02/24/135026
	IR1	77/02/24/135344
22B136/046	SURV	77/02/24/135652
22B137/046	SURV	77/02/28/001904
21B138/047	BB2	77/02/28/002414
22B139/047	BB2	77/02/28/002751
21B140/047	RED	77/02/28/003419
		77/02/28/003515
21B141/047	RED	77/02/28/003910
		77/02/28/003956
22B142/047	BLU	77/02/28/004514
	GRN	77/02/28/004911
	RED	77/02/28/005544
22B143/047	IR3	77/02/28/010201
	IR2	77/02/28/010545
	IR1	77/02/28/011028
22B144/047	SURV	77/02/28/011454
22B145/047	CAL	77/02/28/011807
22B146/047	BB2	77/02/28/012326
22B147/047	SURV	77/02/28/012650
21B148/048	BB2	77/02/23/234418
22B149/048	BB2	77/02/23/234924
22B151/048	SURV	77/02/23/235529
22B152/048	BLU	77/02/24/000132
	GRN	77/02/24/000745
	RED	77/02/24/001337
22B153/048	IR3	77/02/24/001936
	IR2	77/02/24/002515
	IR1	77/02/24/003111
21B154/048	BLU	77/02/24/003958
		77/02/24/004036
21B155/048	BLU	77/02/24/004648
		77/02/24/004812
22B156/048	BLU	77/02/24/005457
	GRN	77/02/24/010059
	RED	77/02/24/010703
22B157/048	IR3	77/02/24/011315
	IR2	77/02/24/011737
	IR1	77/02/24/012150
22B158/048	SURV	77/02/24/012745
22B159/048	CAL	77/02/24/013030
21B160/048	SUN	77/02/24/013408
21B161/048	SUN	77/02/24/013734
22B162/048	BLU	77/02/24/014024
22B163/048	RED	77/02/28/021735
22B164/048	IR2	77/02/28/022351
22B165/048	GRN	77/02/28/022945
22B166/048	IR1	77/02/28/023517
22B167/048	IR3	77/02/28/024003
22B168/048	SURV	77/02/28/024453
22B169/048	BLU	77/02/28/025046
22B170/048	RED	77/02/28/025544
22B171/048	IR2	77/02/28/025955
22B172/048	GRN	77/02/28/030430
22B173/048	IR1	77/02/28/031143
22B174/048	IR3	77/02/28/031621
22B175/048	SURV	77/02/28/032447
22B176/048	BLU	77/02/28/033103
22B177/048	RED	77/02/28/033441
22B178/048	IR2	77/02/28/033807
22B179/048	CAL	77/02/28/034250
22B180/049	SURV	77/02/23/235222
22B181/049	BLU	77/02/23/235828
	GRN	77/02/24/000443
	RED	77/02/24/001045
22B182/049	IR3	77/02/24/001639
	IR2	77/02/24/002215
	IR1	77/02/24/002809
21B183/049	GRN	77/02/24/003427
		77/02/24/003547
21B184/049	GRN	77/02/24/004344
		77/02/24/004528
22B185/049	BLU	77/02/24/005202
	GRN	77/02/24/005756
	RED	77/02/24/010352
22B186/049	IR3	77/02/24/011024
	IR2	77/02/24/011543
	IR1	77/02/24/012038
22B187/049	SURV	77/02/28/022325
22B188/049	CAL	77/02/28/022837
22B190/050	SURV	77/02/28/023327
22B191/050	BLU	77/02/28/023858
	GRN	77/02/28/024424
	RED	77/02/28/024946
22B192/050	IR3	77/02/28/025431
	IR2	77/02/28/025903
	IR1	77/02/28/030319
22B193/050	RED	77/02/28/031240
		77/02/28/031401
21B194/050	RED	77/02/28/032330
21B194/050	RED	77/02/28/032409
		77/02/28/032451
21B195/050	BB2	77/02/28/033114
		77/02/28/033210
22B196/051	IR3	77/02/25/221415
	IR2	77/02/25/221652
	IR1	77/02/25/221920
22B197/051	BLU	77/02/25/222217
	GRN	77/02/25/222440
	RED	77/02/25/222725
21B198/051	BB2	77/02/25/223131
22B199/051	BB2	77/02/25/223403
21B200/051	BB2	77/02/25/223734
21B201/051	BB2	77/02/25/224131
21B202/051	SURV	77/02/25/224749
21B203/051	BB2	77/02/25/225046
21B204/051	BB2	77/02/25/225428
22B205/051	BB2	77/02/25/225717
22B206/051	IR3	77/02/25/230053
	IR2	77/02/25/230403
	IR1	77/02/25/230731
22B207/051	BLU	77/02/25/231021
	GRN	77/02/25/231401
	RED	77/02/25/231703
22B208/051	CAL	77/02/28/034318
22B209/051	GRN	77/02/28/034701
		77/02/28/034741
21B210/051	GRN	77/02/28/035120
		77/02/28/035152
		77/02/28/035231
22B211/051	BB4	77/02/28/035535
		77/02/28/035608
22B212/051	BB1	77/02/28/035951
21B213/051	BB4	77/02/28/040403
21B214/051	BB2	77/02/28/040920
22B215/051	BB1	77/02/28/041446
		77/02/28/041523
		77/02/28/041557
		77/02/28/041634
21B216/052	BLU	77/03/08/222702
		77/03/08/222740
21B217/052	BLU	77/03/08/223353
		77/03/08/223432
21B219/052	SURV	77/03/08/223944
21B220/052	BLU	77/03/08/224238
	GRN	77/03/08/224722
	RED	77/03/08/225256
21B221/052	IR3	77/03/08/225725
	IR2	77/03/08/230128
21B221/052	IR1	77/03/08/231056
21B222/052	SUN	77/03/08/231439
21B223/052	SUN	77/03/08/231856
21B224/052	SUN	77/03/08/232500
21B225/053	GRN	77/03/08/233045
		77/03/08/233125
21B226/053	GRN	77/03/08/233554
		77/03/08/233625
21B227/053	BLU	77/03/08/233951
	GRN	77/03/08/234243
	RED	77/03/08/234804
21B228/053	IR3	77/03/08/235040
	IR2	77/03/08/235302
	IR1	77/03/08/235557
21B229/053	SURV	77/03/08/235841
22B230/054	BB4	77/02/26/024821
22B231/054	BB4	77/02/26/025201
		77/02/26/025252
22B232/054	SURV	77/02/26/025844
22B233/054	BLU	77/02/26/030401
	GRN	77/02/26/030808
	RED	77/02/26/031302
22B234/054	IR3	77/02/26/031848
	IR2	77/02/26/032432
	IR1	77/02/26/032858
21B235/054	RED	77/02/26/033602
21B236/054	RED	77/02/26/034135
		77/02/26/034303
21B238/054	BLU	77/02/26/034754
	GRN	77/02/26/035342
	RED	77/02/26/035851
21B239/054	IR3	77/02/26/040303
	IR2	77/02/26/040841
	IR1	77/02/26/041341
21B240/054	BLU	77/02/28/040912
	GRN	77/02/28/041446
	RED	77/02/28/041831
21B241/054	IR3	77/02/28/042213
	IR2	77/02/28/042743
	IR1	77/02/28/043214
21B242/054	SUN	77/02/28/043711
21B243/054	BLU	77/02/28/044154
	GRN	77/02/28/044630
	RED	77/02/28/045233
21B244/054	IR3	77/02/28/050528
	IR2	77/02/28/050948
	IR1	77/02/28/051351
21B245/054	BLU	77/02/28/051739
	GRN	77/02/28/052237

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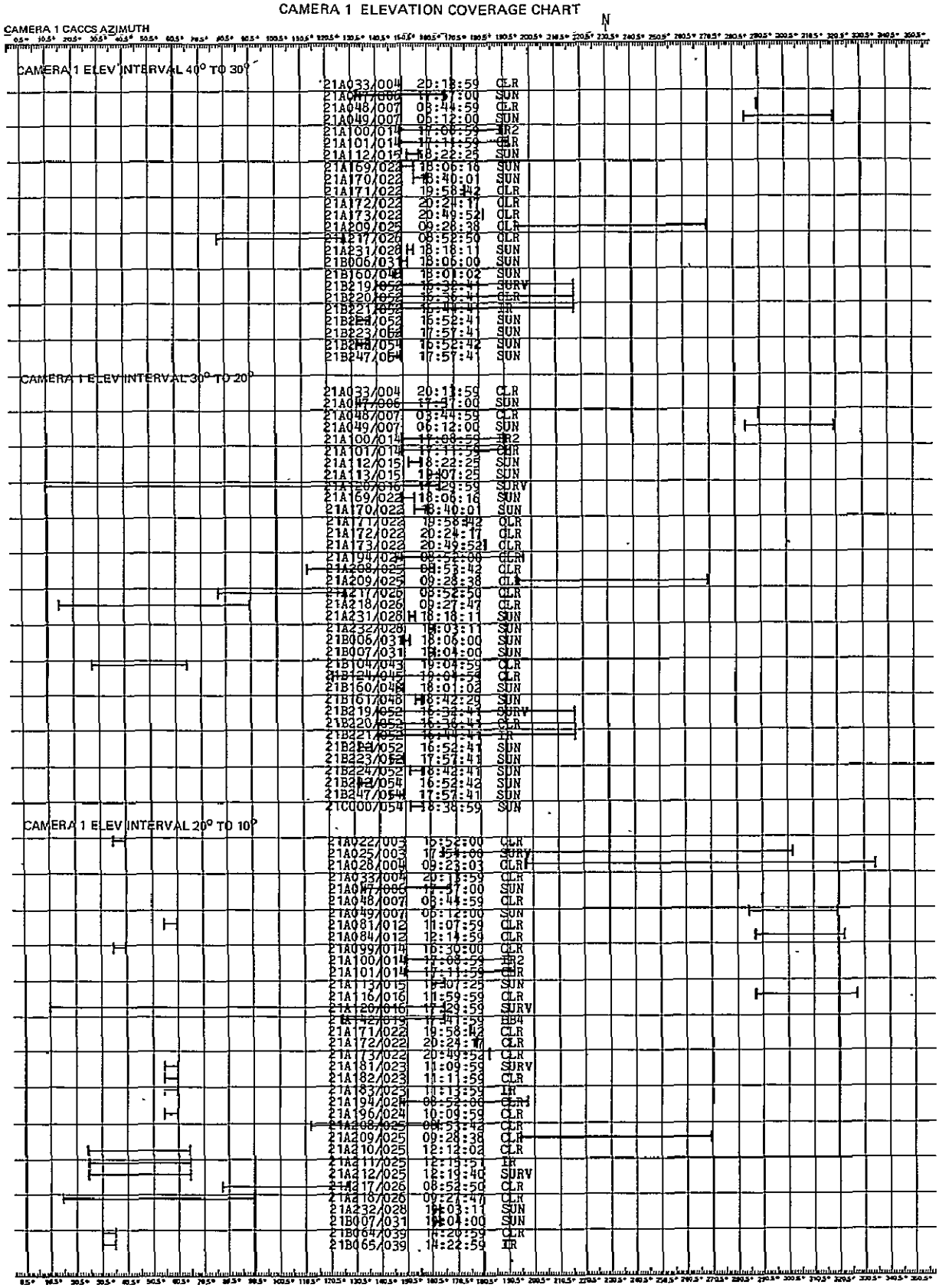
CELABEL	DIODE	IPL PIC ID
21B245/054	RED	77/02/28/052847
21B246/054	IR3	77/02/28/053355
	IR2	77/02/28/053939
	IR1	77/02/28/054455
21B247/054	SUN	77/02/28/054722
21B248/054	BLU	77/02/25/010317
	GRN	77/02/25/010811
	RED	77/02/25/011207
21B249/054	IR3	77/02/25/011628
	IR2	77/02/25/012108
	IR1	77/02/25/012544
21B250/054	BLU	77/02/25/013012
	GRN	77/02/25/013407
	RED	77/02/25/013824
21B251/054	IR3	77/02/25/014111
	IR2	77/02/25/014720
	IR1	77/02/25/015049
21B252/054	BLU	77/02/25/015449
	GRN	77/02/25/015752
	RED	77/02/25/020057
21B253/054	BLU	77/02/25/020408
	GRN	77/02/25/020740
	RED	77/02/25/021023
21B254/054	IR3	77/02/28/042743
	IR2	77/02/28/043216
	IR1	77/02/28/043701
21B255/054	IR3	77/02/28/044150
	IR2	77/02/28/044623
	IR1	77/02/28/044957
21C000/054	SUN	77/02/28/045432
21C001/054	BLU	77/02/28/045836
	GRN	77/02/28/050157
	RED	77/02/28/050552
21C002/054	IR3	77/02/28/051124
	IR2	77/02/28/051621
	IR1	77/02/28/052012
21C003/054	BLU	77/02/28/052421
	GRN	77/02/28/052858
	RED	77/02/28/053259
21C004/054	IR3	77/02/28/053720
	IR2	77/02/28/054147
	IR1	77/02/28/054542
22C005/055	SUN	77/02/26/025619
22C006/055	SUN	77/02/26/030044
22C007/055	SUN	77/02/26/030419
22C008/055	SURV	77/02/26/030954
22C009/055	BLU	77/02/26/031457
	GRN	77/02/26/031846
	RED	77/02/26/032327
22C010/055	IR3	77/02/26/032846
	IR2	77/02/26/033425
	IR1	77/02/26/033823
21C011/055	GRN	77/02/26/034437
21C012/055	GRN	77/02/26/034941
		77/02/26/035034
21C013/055	BLU	77/02/26/035447
	GRN	77/02/26/035940
	RED	77/02/26/040451
21C014/055	IR3	77/02/26/040837
	IR2	77/02/26/041338
	IR1	77/02/26/041841
21C015/055	SURV	77/02/26/042325
22C016/056	SURV	77/02/26/042941
22C017/056	BLU	77/02/26/043358
	GRN	77/02/26/043758
	RED	77/02/26/044129
22C018/056	IR3	77/03/01/231808
	IR2	77/03/01/232101
	IR1	77/03/01/232354
21C019/056	RED	77/03/01/232655
21C020/056	RED	77/03/01/233018
		77/03/01/233045
22C021/056	BB3	77/03/01/233315
22C022/056	BB1	77/03/01/233558
22C023/056	BB2	77/03/01/233908
22C024/056	BB3	77/03/01/234211
22C025/056	BB1	77/03/01/234652
22C026/056	BB1	77/03/01/235014
21C027/056	BB1	77/03/01/235338
21C028/056	BB1	77/03/01/235626
21C029/056	BB1	77/03/02/000011
22C030/056	BB3	77/03/02/000343
21C031/056	BB2	77/03/02/000724
22C032/056	BB2	77/03/02/001022
22C033/057	BB1	77/02/26/030015
22C034/057	BB1	77/02/26/030716
22C035/057	BB1	77/02/26/031334
21C036/057	BB3	77/02/26/031900
22C037/057	BLU	77/02/26/032550
	GRN	77/02/26/033221
	RED	77/02/26/033843
22C038/057	IR3	77/02/26/034453
	IR2	77/02/26/035059
	IR1	77/02/26/035727
22C039/057	BB1	77/02/26/040453
22C040/057	SURV	77/02/26/041142
21C041/057	BB2	77/02/26/041730
22C042/057	BB2	77/02/26/042233
21C043/057	SURV	77/02/26/042723
21C044/057	BB2	77/02/26/043300
22C045/057	BB2	77/02/26/043627
21C046/057	BLU	77/02/26/044024
21C047/057	BLU	77/03/02/000000
		77/03/02/000035
21C048/057	BLU	77/03/02/000458
	GRN	77/03/02/000851
	RED	77/03/02/001204
21C049/057	IR3	77/03/02/001541
	IR2	77/03/02/001852
	IR1	77/03/02/002138
21C050/057	SURV	77/03/02/002412
22C051/058	SURV	77/02/26/030132
21C052/058	SURV	77/02/26/030836
22C053/058	BB2	77/02/26/031451
21C054/058	BLU	77/02/26/032148
21C055/058	BLU	77/02/26/032808
		77/02/26/032853
21C056/058	BLU	77/02/26/033419
	GRN	77/02/26/034127
	RED	77/02/26/034740
21C057/058	IR3	77/02/26/035431
	IR2	77/02/26/040334
	IR1	77/02/26/041005
21C058/058	SURV	77/02/26/041609
21C059/059	GRN	77/02/26/042109
21C060/059	GRN	77/02/26/042556
		77/02/26/042708
21C061/059	BLU	77/02/26/043303
		77/02/26/043357
		77/02/26/043507
21C062/059	GRN	77/03/02/174232
		77/03/02/174259
		77/03/02/174324
21C063/059	RED	77/03/02/174623
		77/03/02/174654
		77/03/02/174743
21C064/060	RED	77/03/02/175132
21C065/060	RED	77/03/02/175549
		77/03/02/175629
22C066/060	BLU	77/03/02/175953
	GRN	77/03/02/180555
	RED	77/03/02/181001
22C067/060	IR3	77/03/02/181313
	IR2	77/03/02/181627
	IR1	77/03/02/182019
22C068/060	SURV	77/03/02/182406
21C069/061	BB3	77/03/02/182748
21C070/061	RED	77/03/02/183204
		77/03/02/183259

VL-2 ELEVATION COVERAGE CHARTS

VL-2 Elevation Coverage Charts

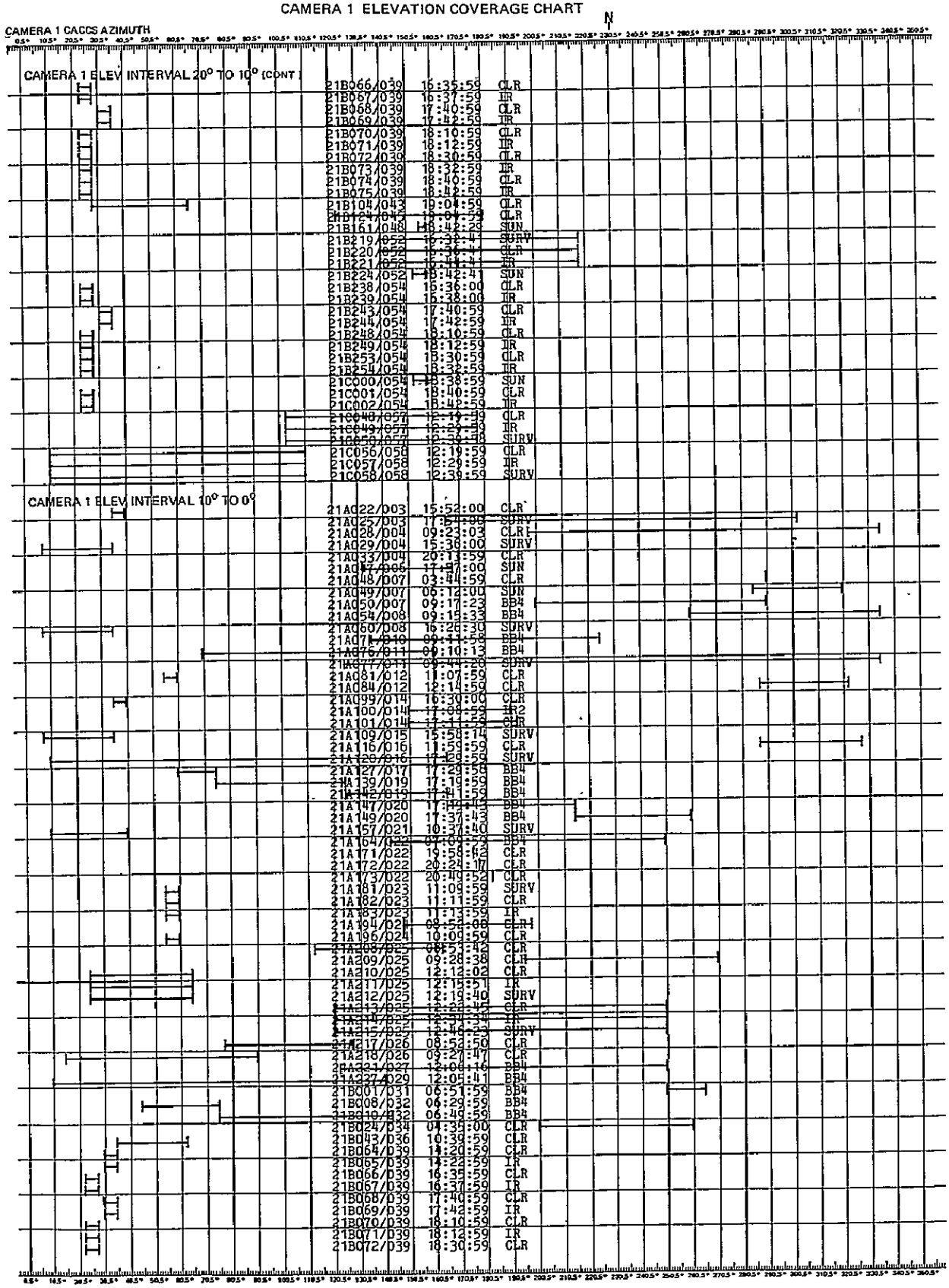
VL-2

CAMERA 1 ELEVATION COVERAGE CHART

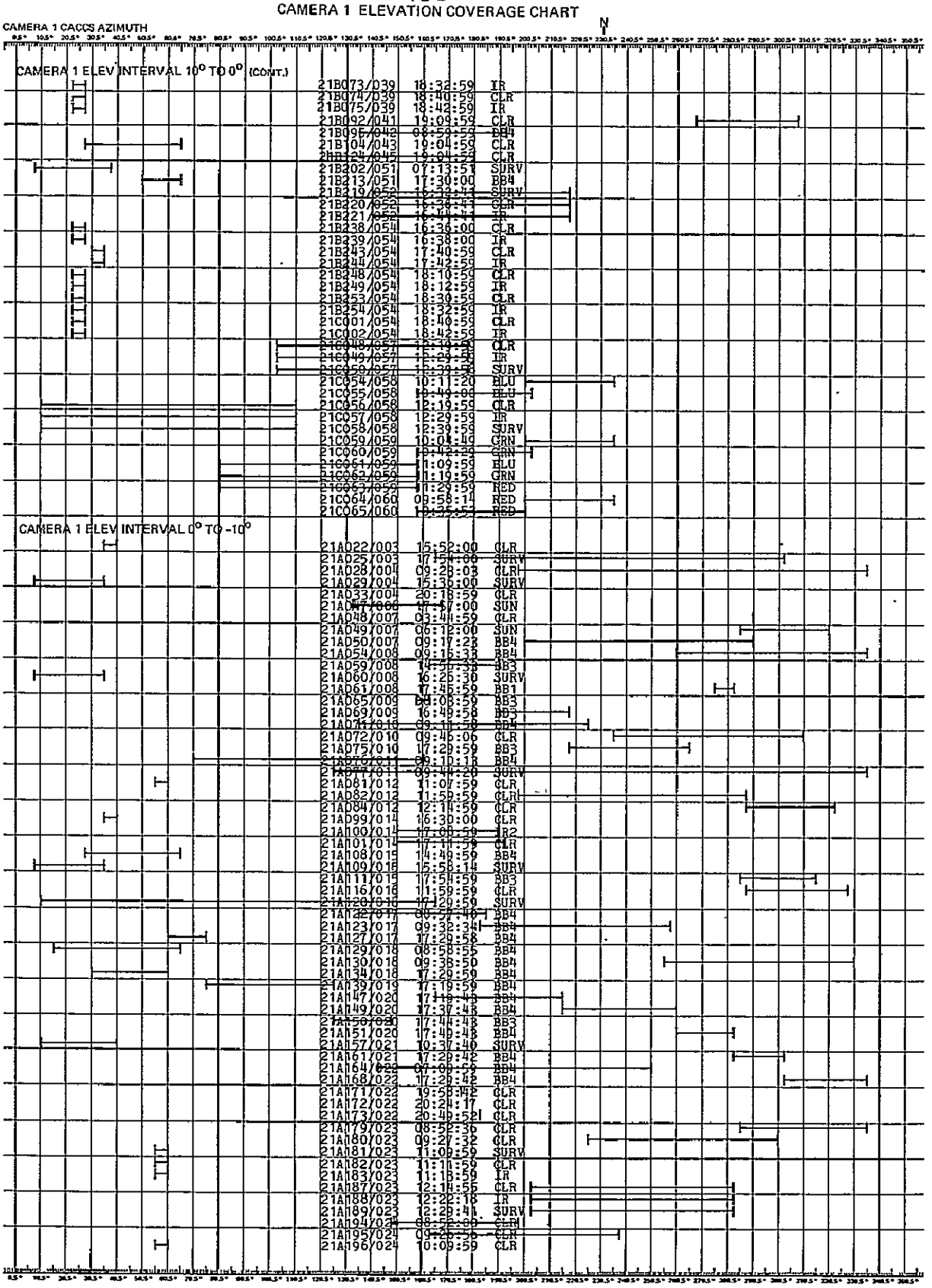


VL-2

CAMERA 1 ELEVATION COVERAGE CHART

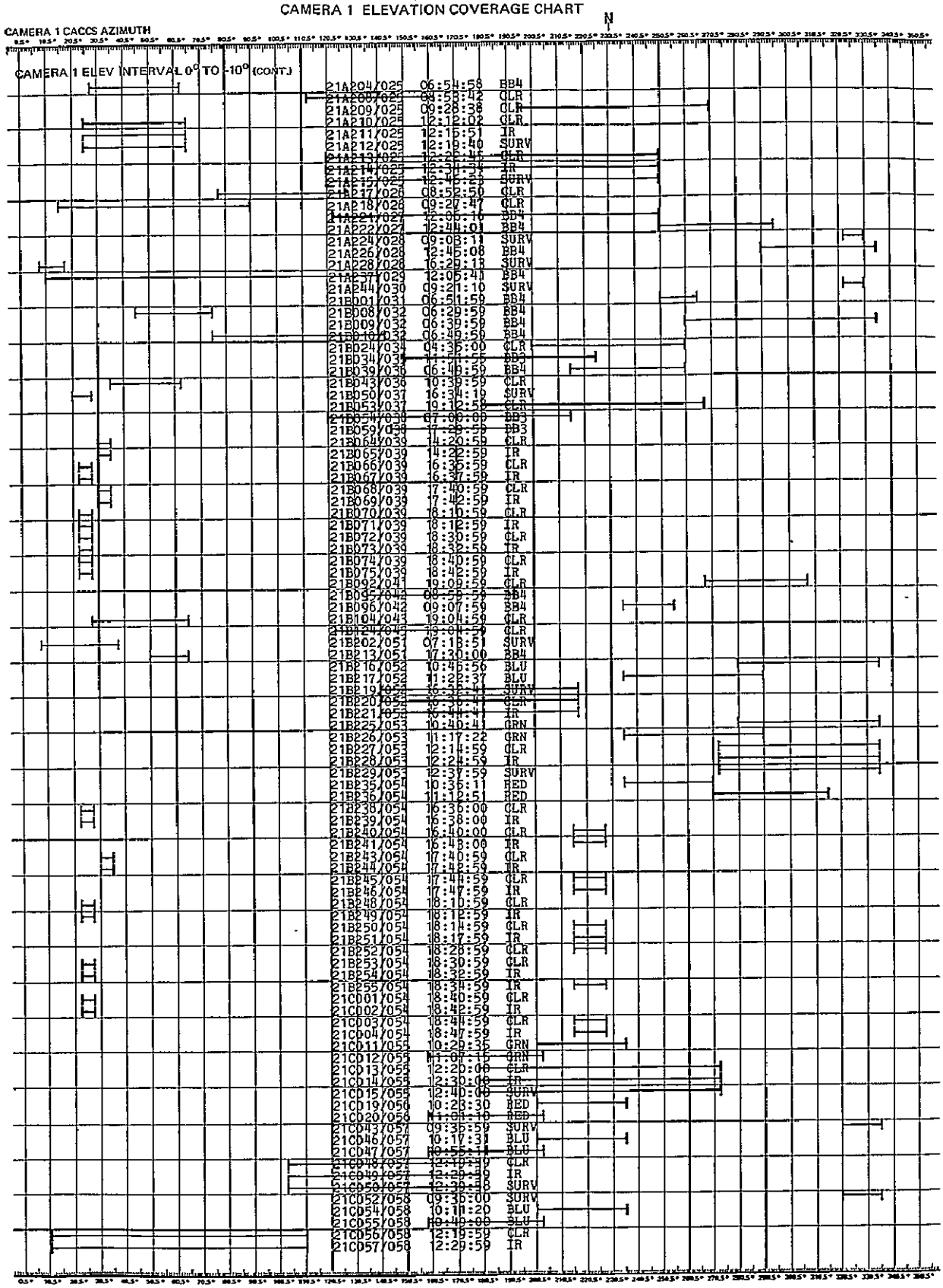


VL-2
CAMERA 1 ELEVATION COVERAGE CHART



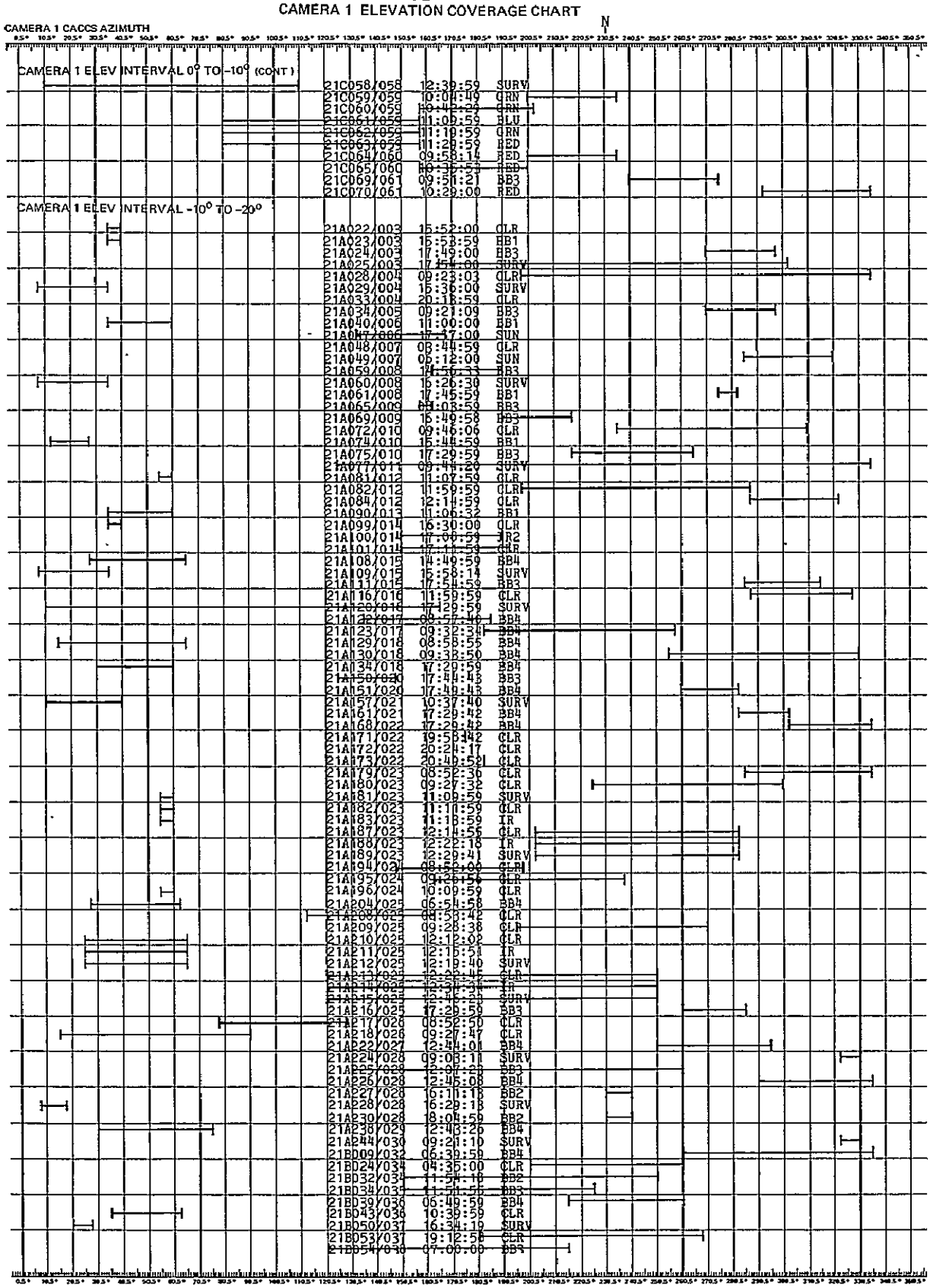
VL-2

CAMERA 1 ELEVATION COVERAGE CHART



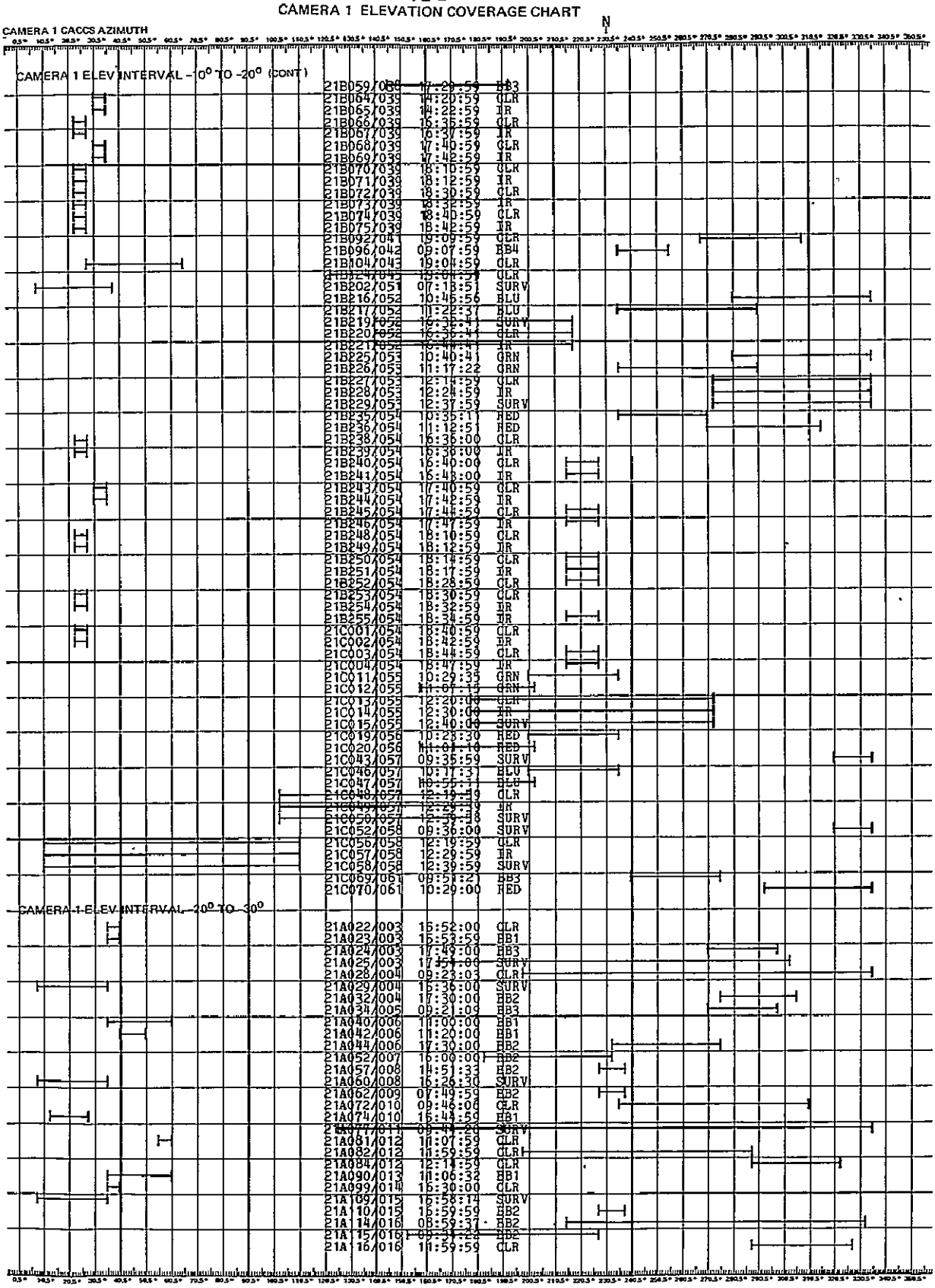
VL-2

CAMERA 1 ELEVATION COVERAGE CHART



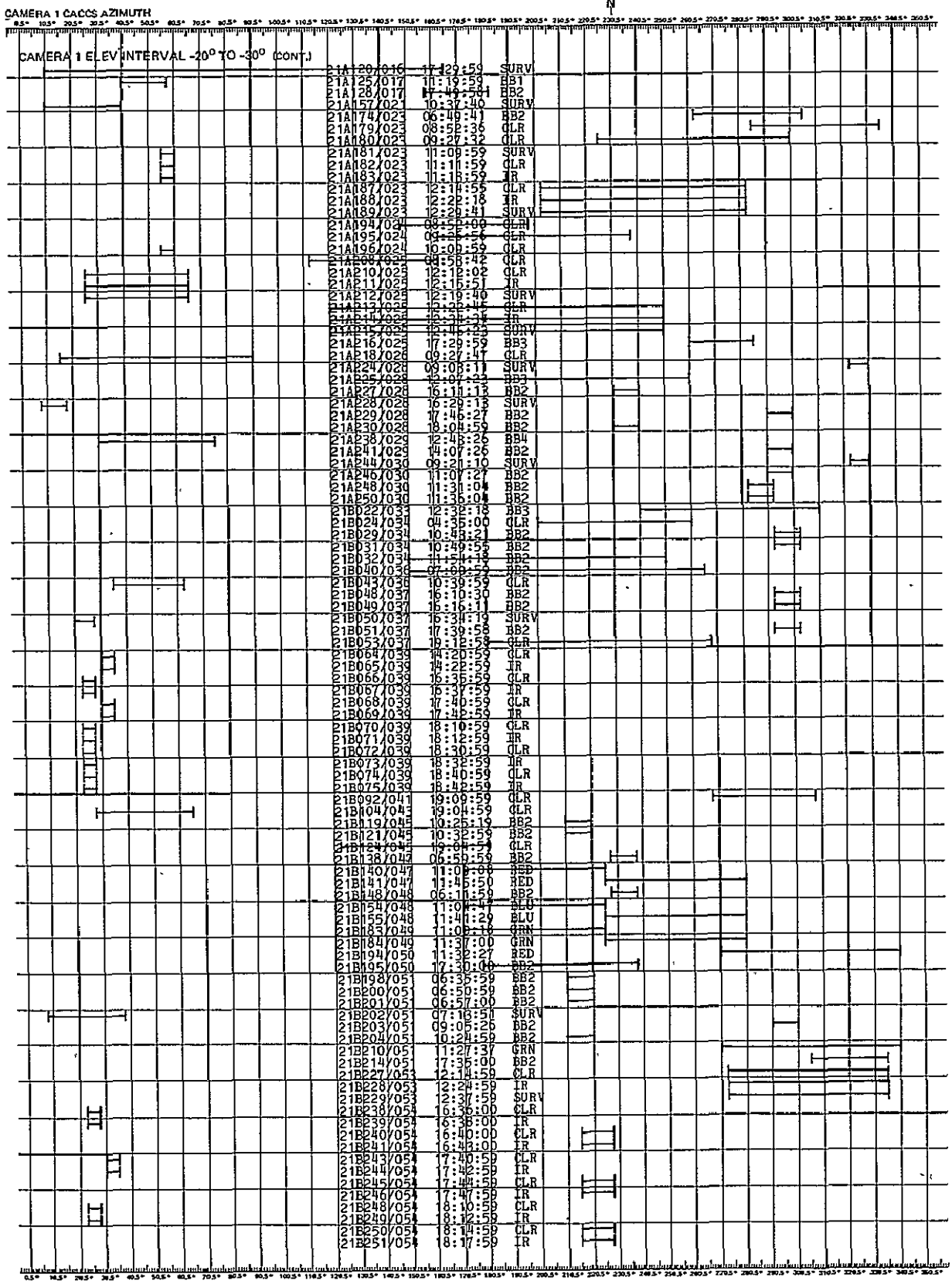
VL-2

CAMERA 1 ELEVATION COVERAGE CHART



VL-2

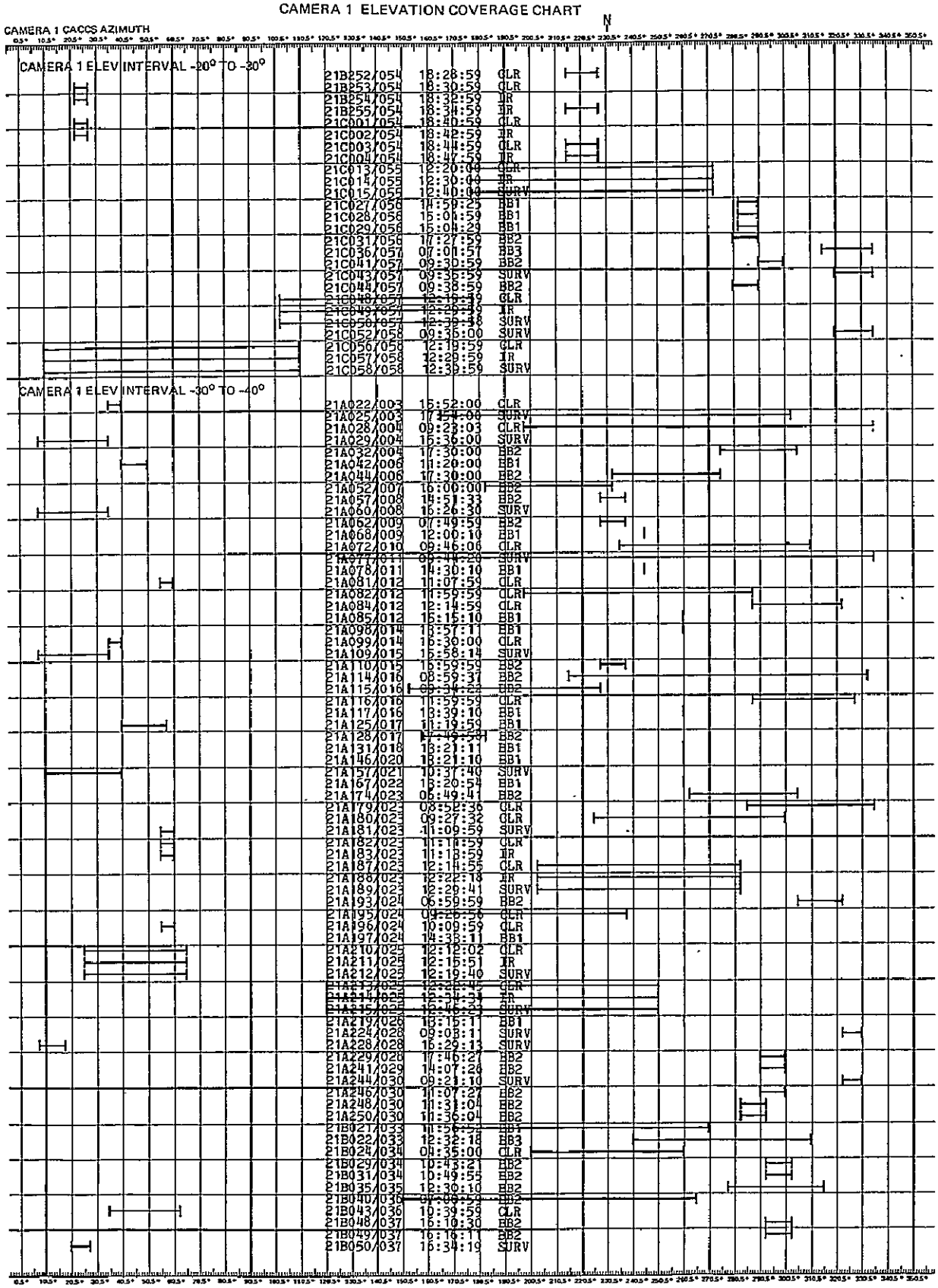
CAMERA 1 ELEVATION COVERAGE CHART



21A120/016	17:29:59	SURV
21A125/017	11:19:59	BB1
21A128/017	17:41:59	BB2
21A157/021	10:37:40	SURV
21A174/023	06:49:41	BB2
21A179/023	08:52:36	CLR
21A180/023	09:27:32	CLR
21A181/023	11:09:59	SURV
21A182/023	11:11:59	CLR
21A183/023	11:18:59	IR
21A187/023	12:14:59	CLR
21A188/023	12:22:18	IR
21A189/023	12:29:41	SURV
21A194/024	09:52:00	CLR
21A195/024	09:25:56	CLR
21A196/024	10:00:59	CLR
21A208/025	09:56:42	CLR
21A210/025	12:12:02	CLR
21A211/025	12:15:51	IR
21A212/025	12:19:40	SURV
21A213/025	12:22:45	CLR
21A214/025	12:31:25	IR
21A215/025	12:41:23	SURV
21A216/025	17:29:59	BB3
21A218/026	09:27:47	CLR
21A224/028	09:03:11	SURV
21A225/028	12:07:23	BB3
21A227/028	16:11:13	BB2
21A228/028	16:29:13	SURV
21A229/028	17:46:27	BB2
21A230/028	18:04:59	BB2
21A238/029	12:43:26	BB4
21A241/029	14:07:26	BB2
21A244/030	09:21:10	SURV
21A246/030	11:07:27	BB2
21A248/030	11:31:04	BB2
21A250/030	11:36:04	BB2
21B022/033	12:32:18	BB3
21B024/034	04:35:00	CLR
21B029/034	10:48:21	BB2
21B031/034	10:49:56	BB2
21B032/034	11:54:18	BB2
21B040/036	07:09:59	BB2
21B043/036	10:39:59	CLR
21B048/037	16:10:30	BB2
21B049/037	16:16:11	BB2
21B050/037	16:34:19	SURV
21B051/037	17:39:58	BB2
21B053/037	19:12:28	CLR
21B064/039	14:20:59	CLR
21B065/039	14:22:59	IR
21B066/039	16:36:59	CLR
21B067/039	16:37:59	IR
21B068/039	17:40:59	CLR
21B069/039	17:42:59	IR
21B070/039	18:10:59	CLR
21B071/039	18:12:59	IR
21B072/039	18:30:59	CLR
21B073/039	18:32:59	IR
21B074/039	18:40:59	CLR
21B075/039	18:42:59	IR
21B092/041	19:09:59	CLR
21B104/043	19:04:59	CLR
21B119/045	10:25:19	BB2
21B121/045	10:32:59	BB2
21B124/045	19:04:59	CLR
21B138/046	06:59:59	BB2
21B140/047	11:00:00	RED
21B141/047	11:46:50	RED
21B148/048	06:10:59	BB2
21B154/048	11:04:47	BLU
21B155/048	11:41:29	BLU
21B183/049	11:00:18	GRN
21B184/049	11:37:00	GRN
21B194/050	11:32:27	RED
21B195/050	12:30:00	BB2
21B198/051	06:35:59	BB2
21B200/051	06:50:59	BB2
21B201/051	06:57:00	BB2
21B202/051	07:18:51	SURV
21B203/051	09:05:26	BB2
21B204/051	10:24:59	BB2
21B210/051	11:27:37	GRN
21B214/051	17:35:00	BB2
21B227/053	12:14:59	CLR
21B228/053	12:24:59	IR
21B229/053	12:37:59	SURV
21B238/054	16:36:00	CLR
21B239/054	16:38:00	IR
21B240/054	16:40:00	CLR
21B241/054	16:43:00	IR
21B243/054	17:40:59	CLR
21B244/054	17:42:59	IR
21B245/054	17:44:59	CLR
21B246/054	17:47:59	IR
21B248/054	18:10:59	CLR
21B249/054	18:12:59	IR
21B250/054	18:14:59	CLR
21B251/054	18:17:59	IR

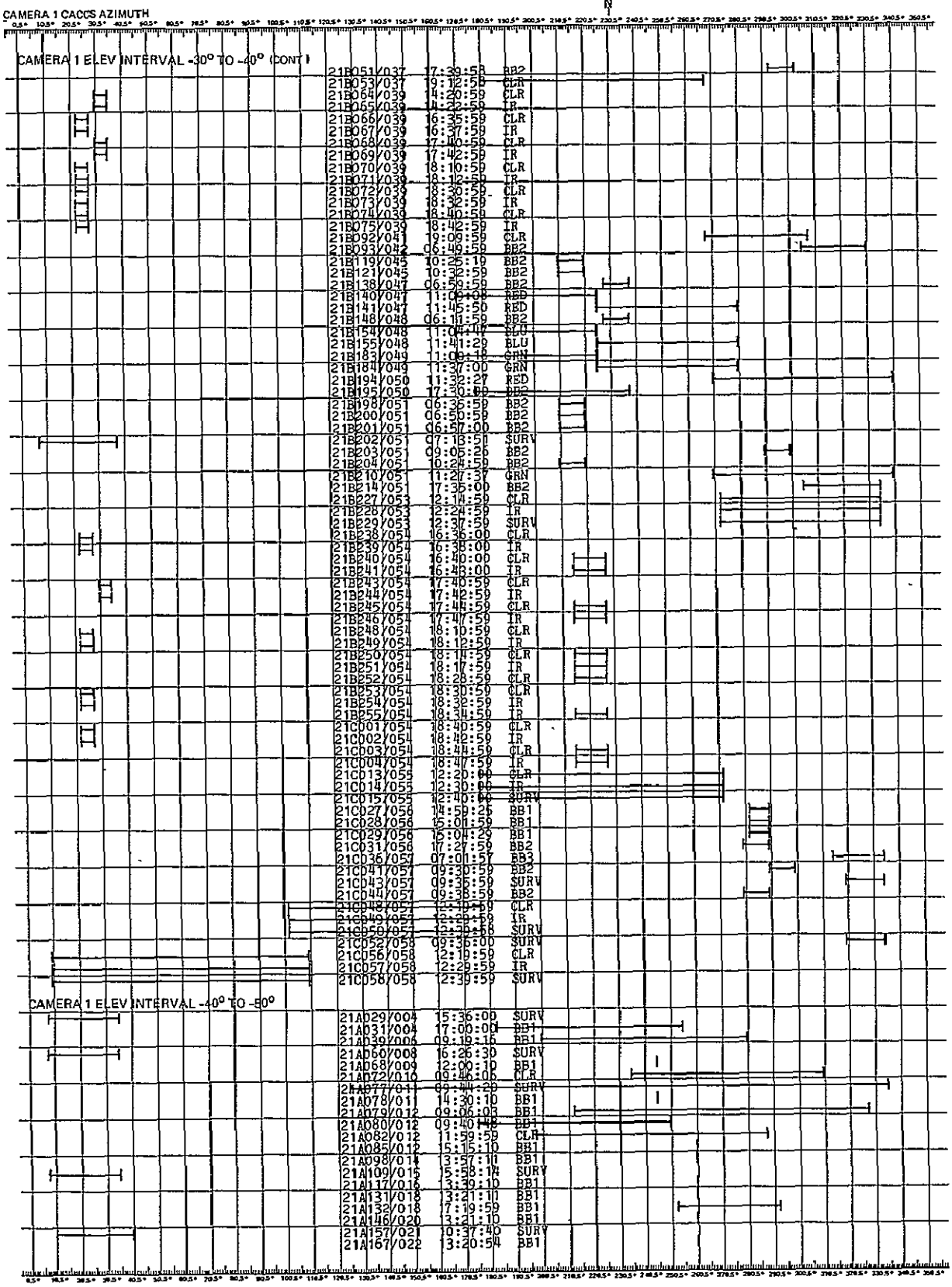
VL-2

CAMERA 1 ELEVATION COVERAGE CHART



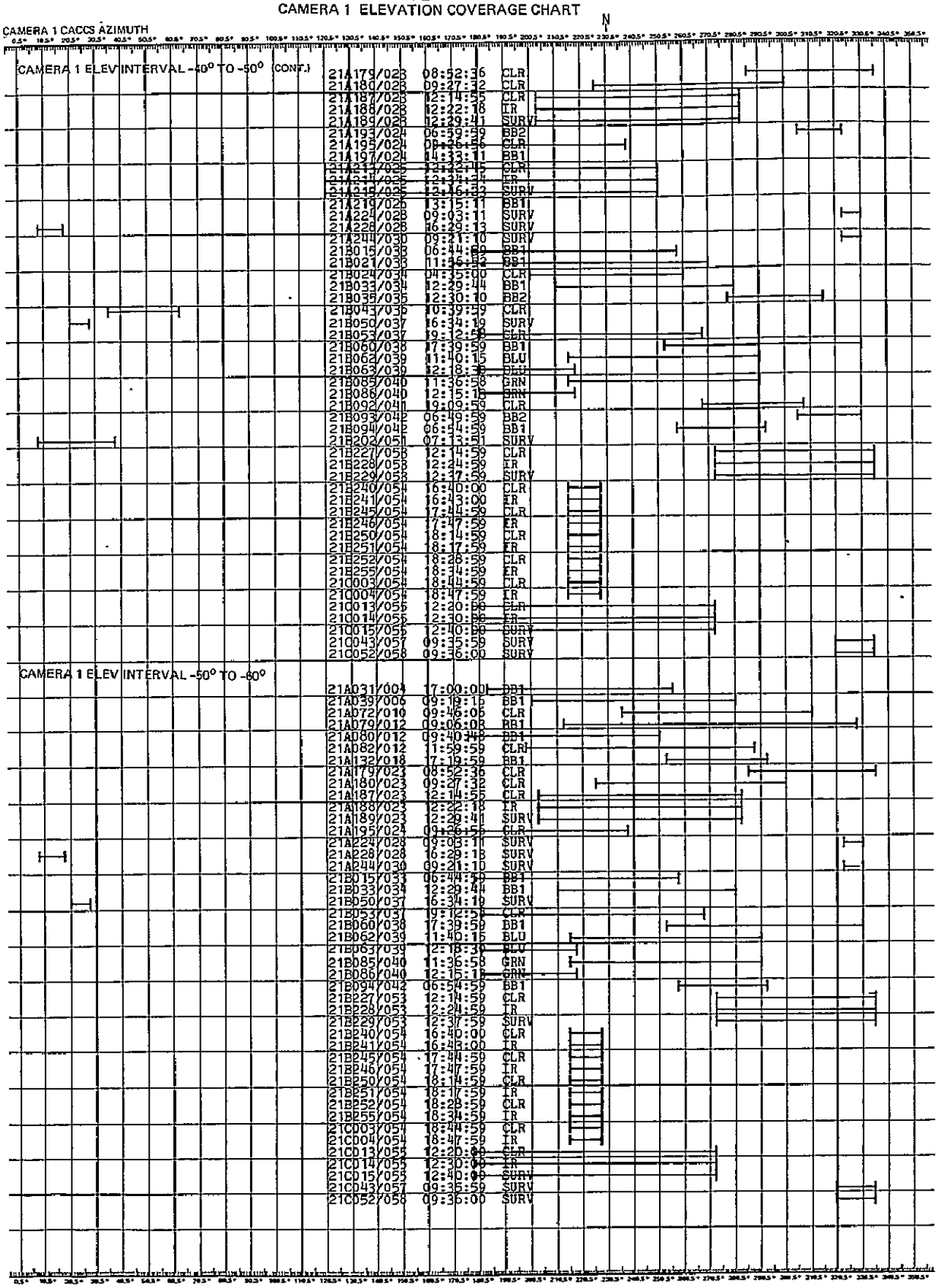
VL-2

CAMERA 1 ELEVATION COVERAGE CHART



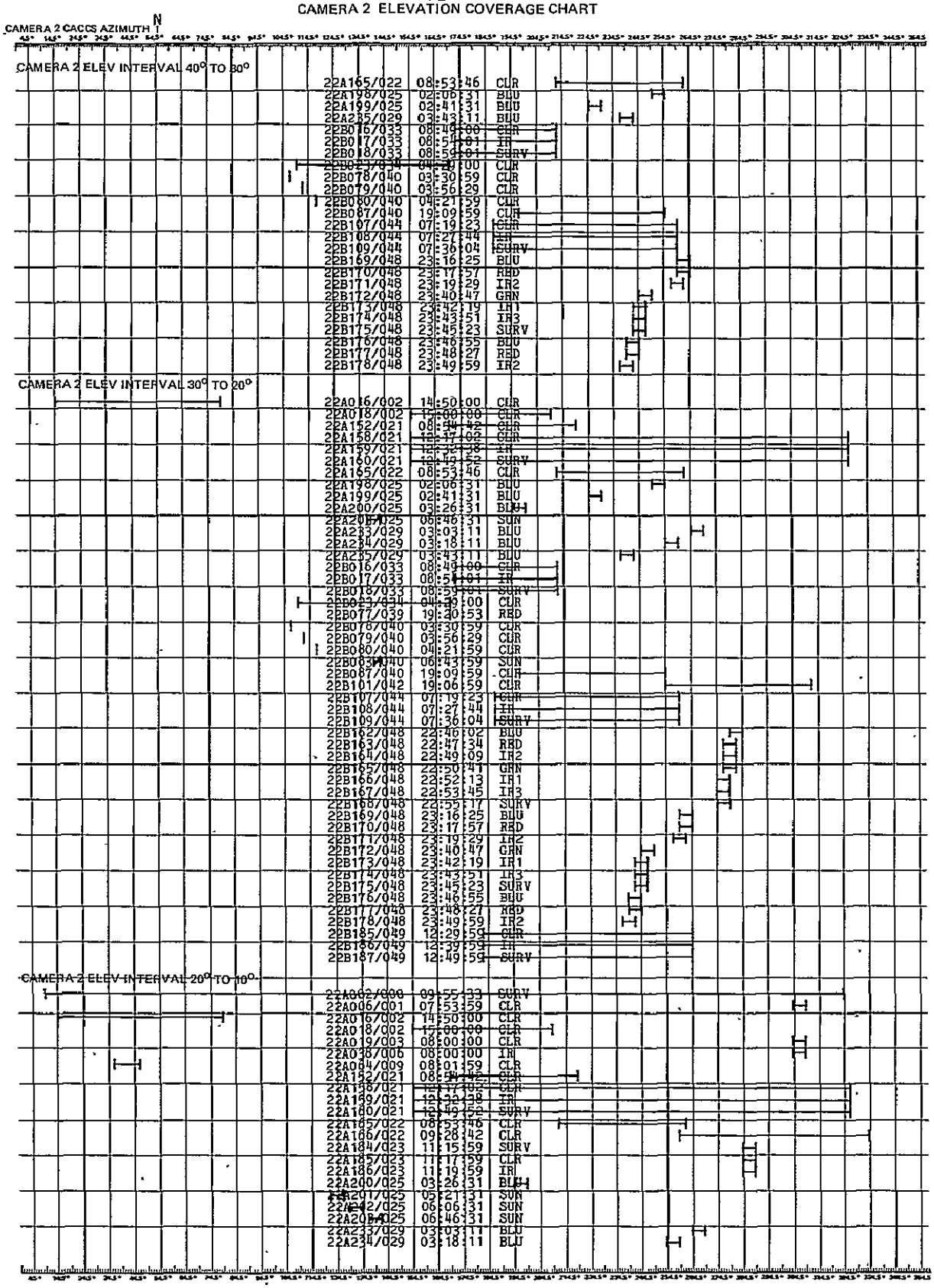
VL-2

CAMERA 1 ELEVATION COVERAGE CHART

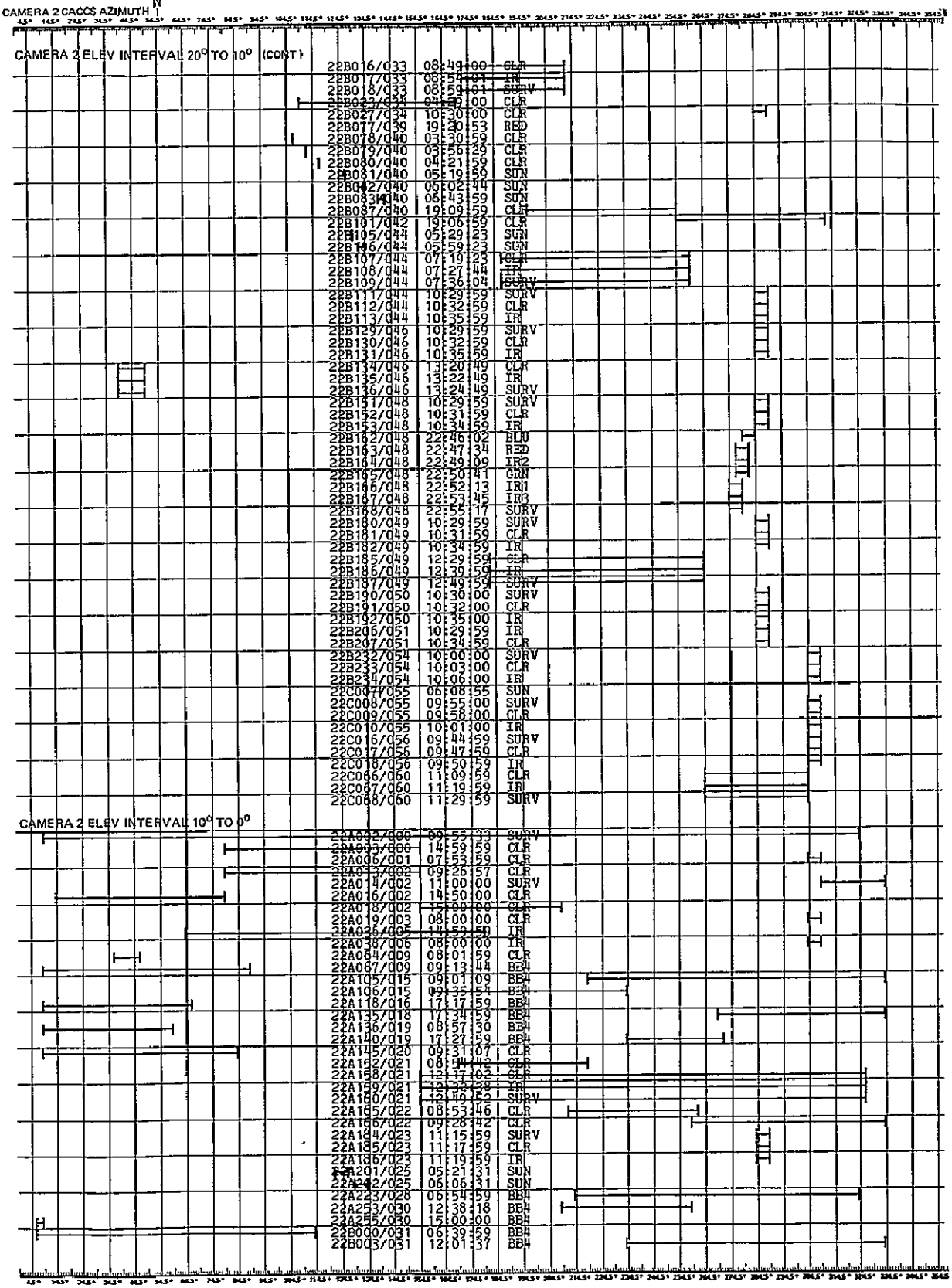


VL-2

CAMERA 2 ELEVATION COVERAGE CHART

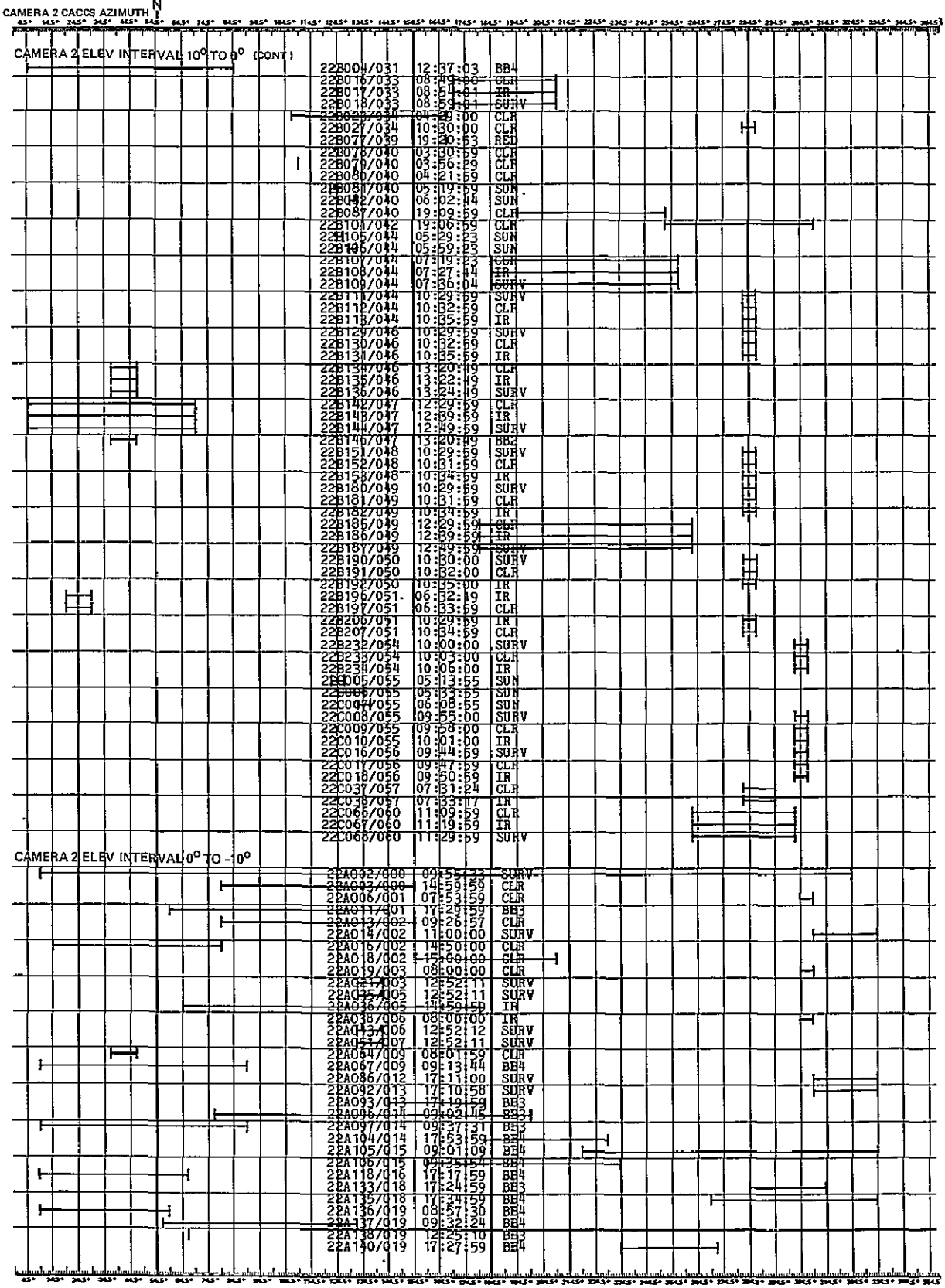


VL-2
CAMERA 2 ELEVATION COVERAGE CHART



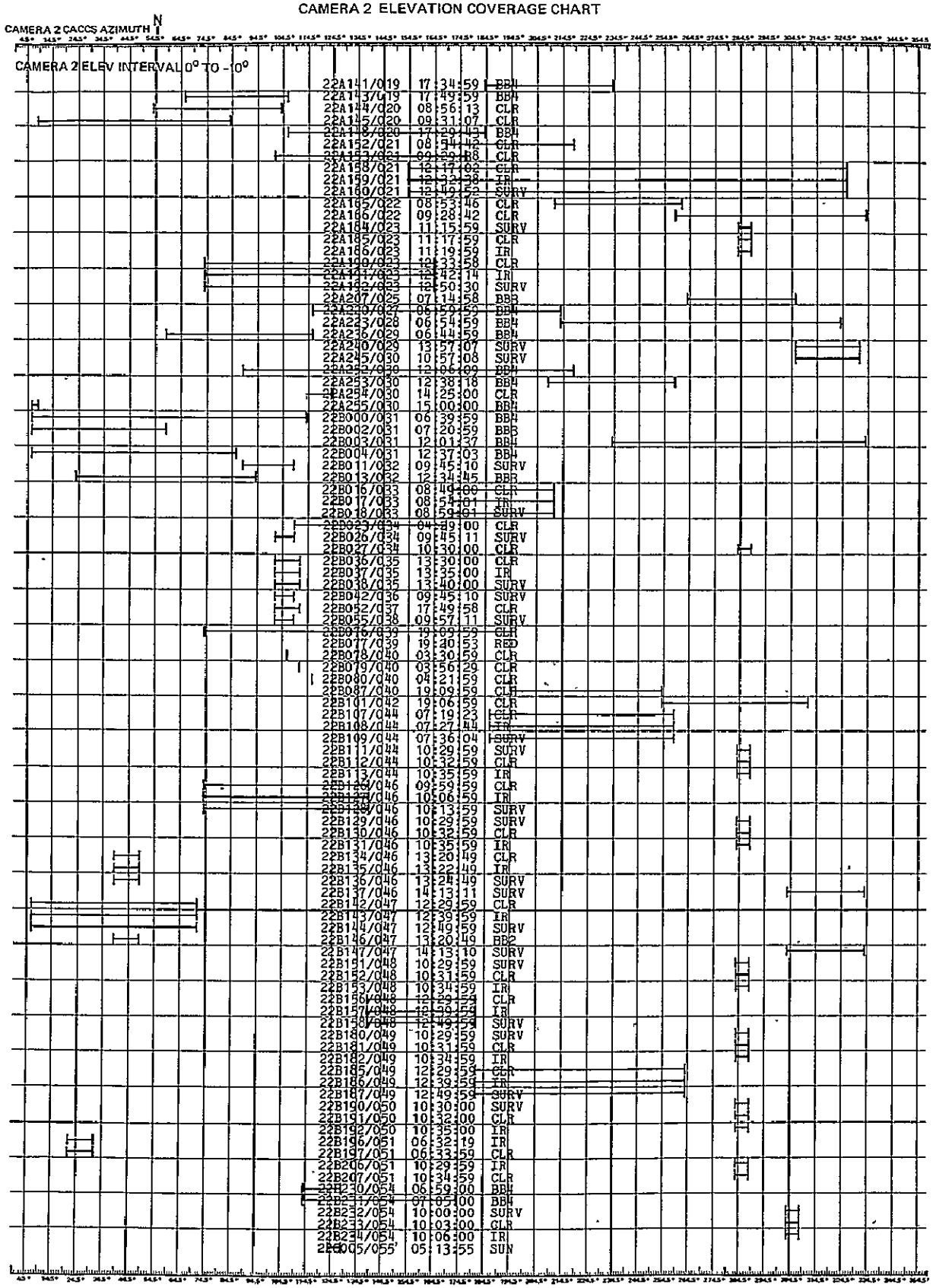
VL-2

CAMERA 2 ELEVATION COVERAGE CHART



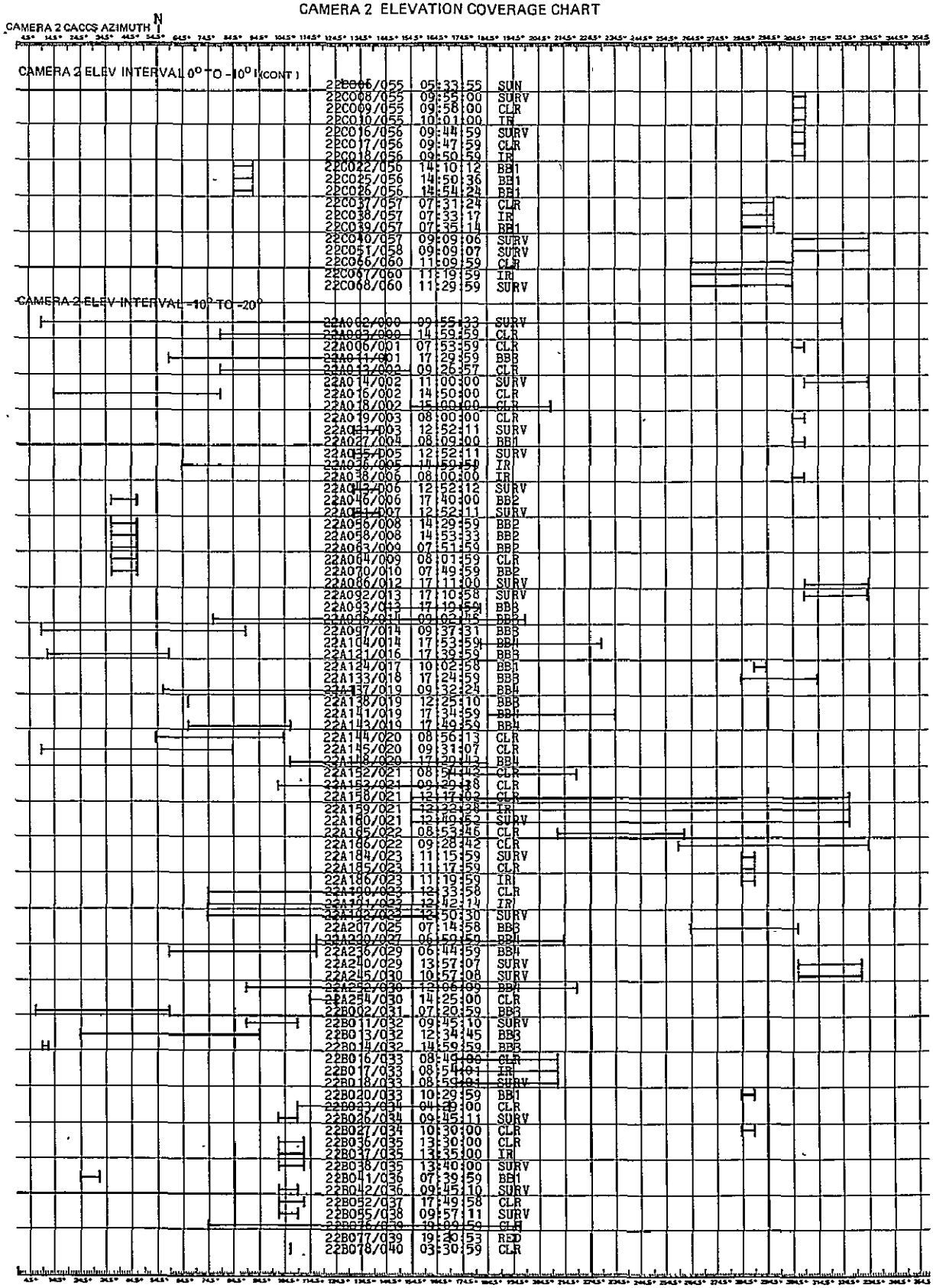
VL-2

CAMERA 2 ELEVATION COVERAGE CHART



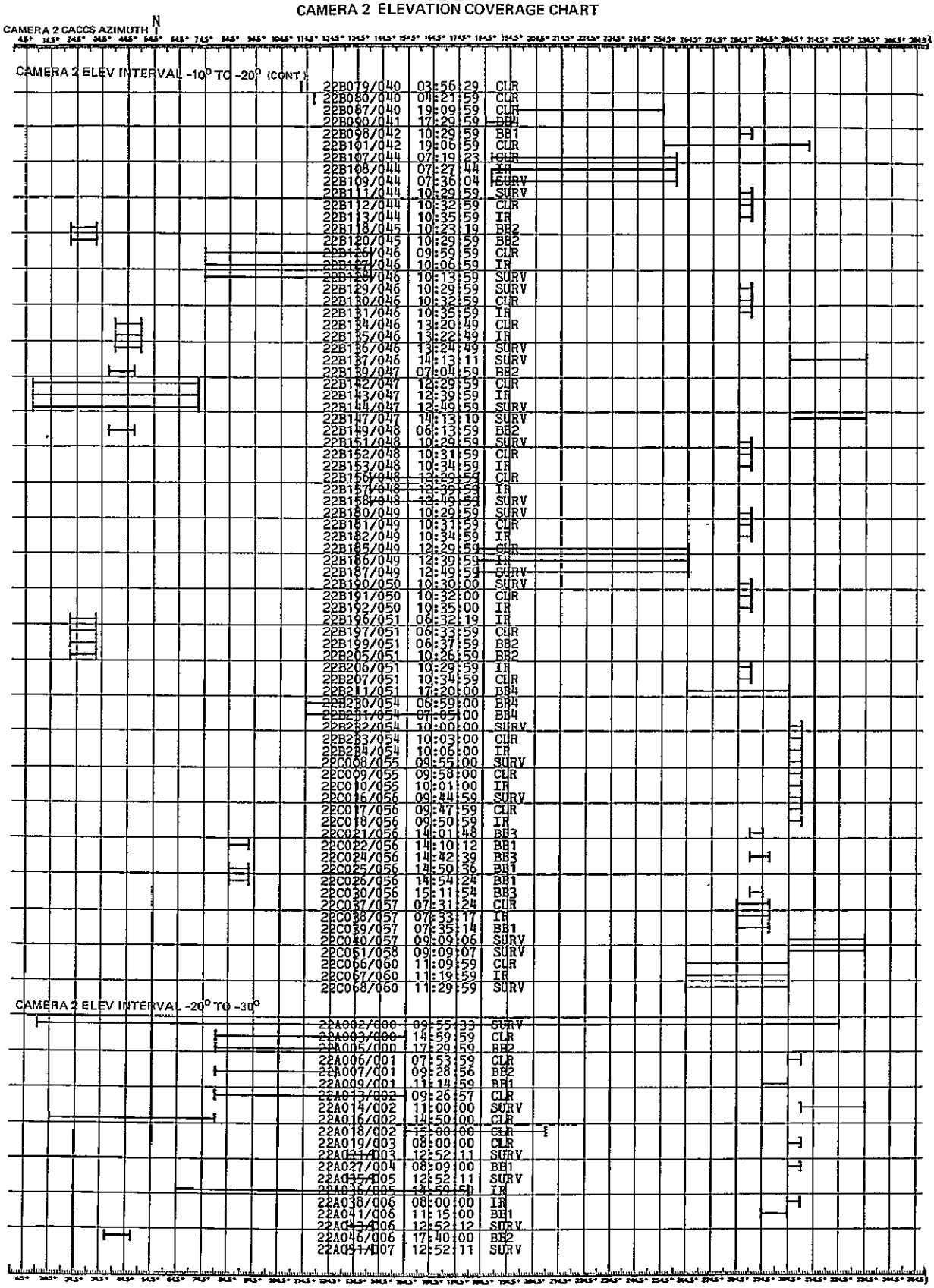
VL-2

CAMERA 2 ELEVATION COVERAGE CHART



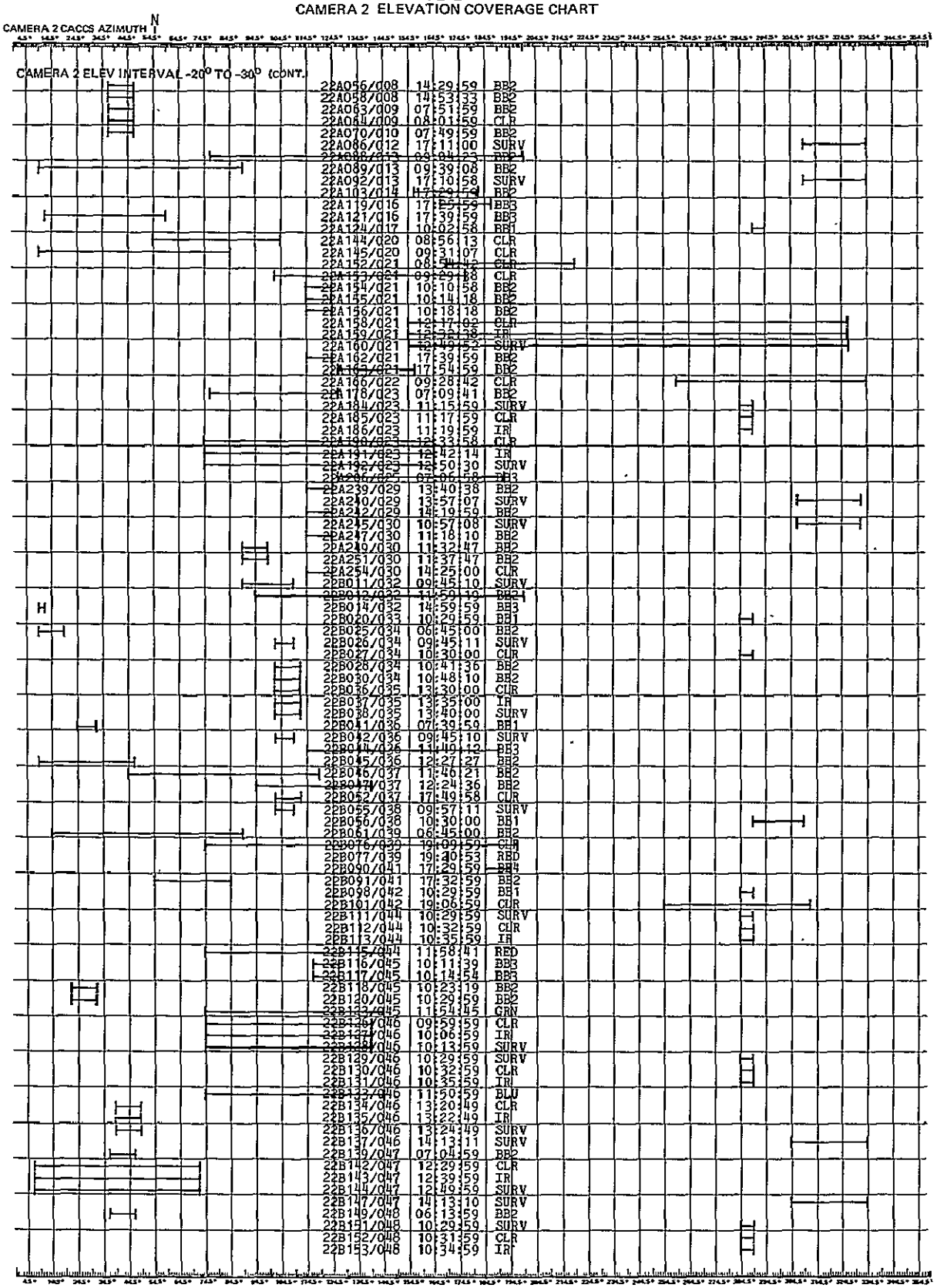
VI-2

CAMERA 2 ELEVATION COVERAGE CHART

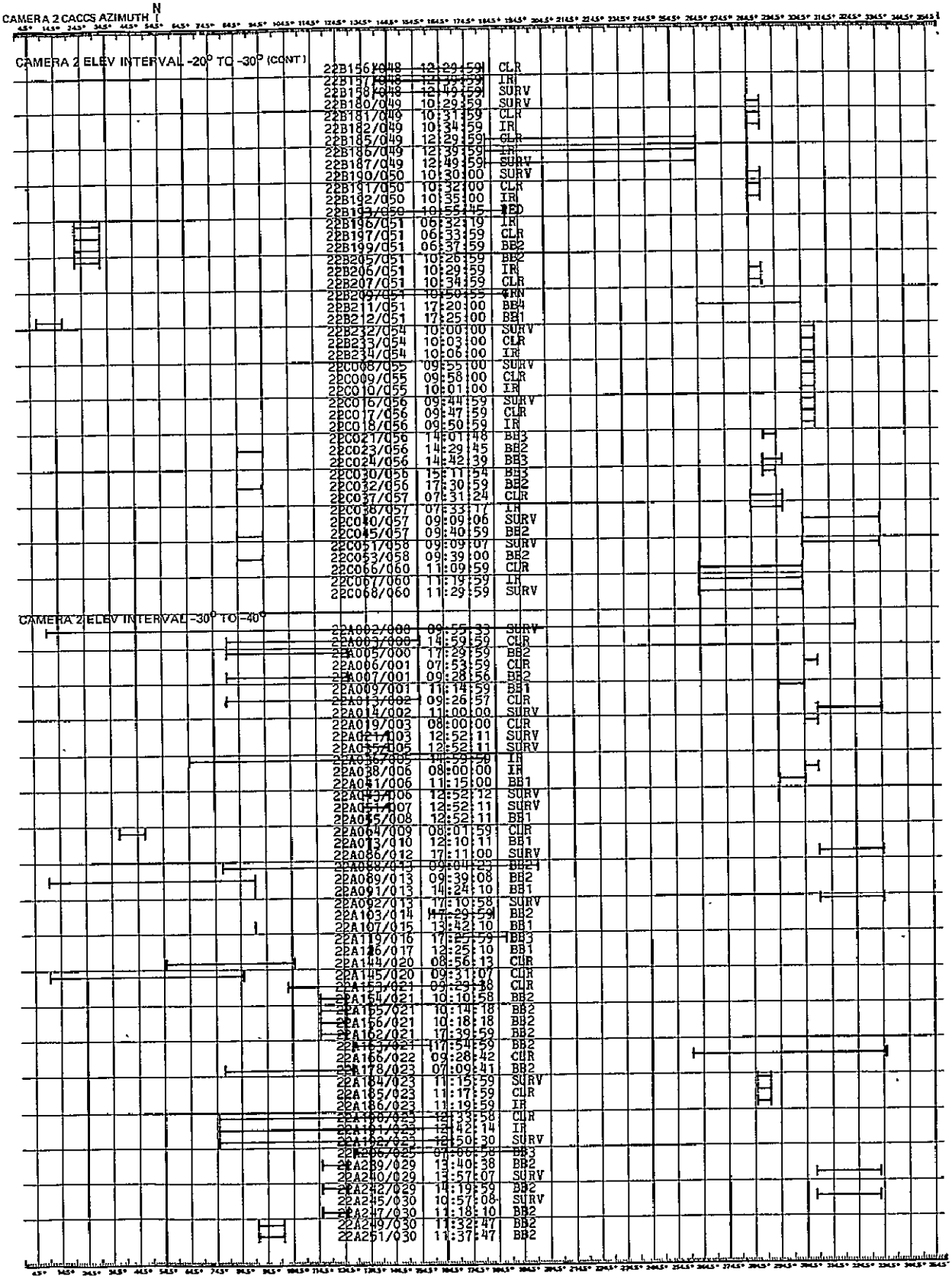


VL-2

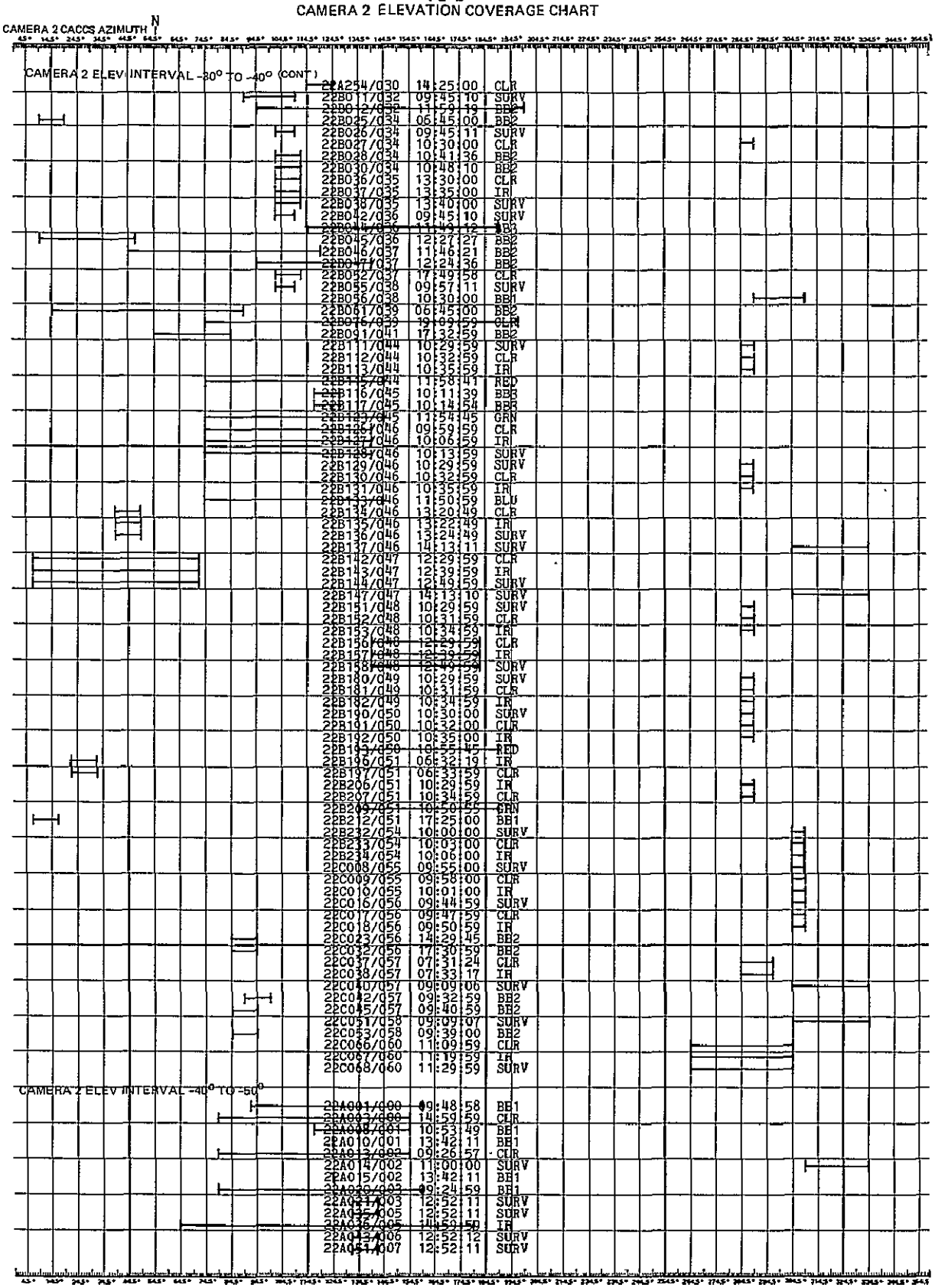
CAMERA 2 ELEVATION COVERAGE CHART



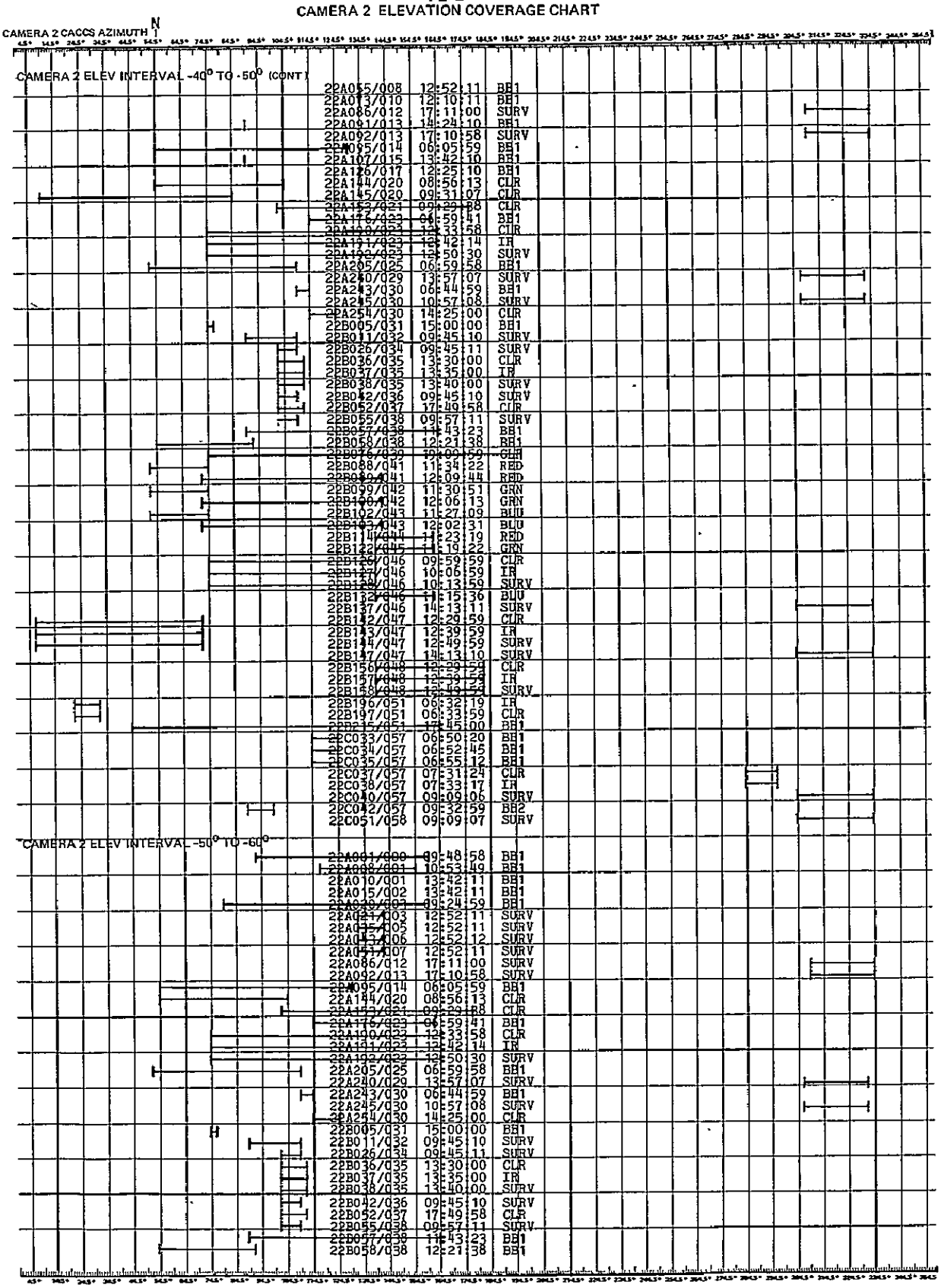
VL-2
CAMERA 2 ELEVATION COVERAGE CHART



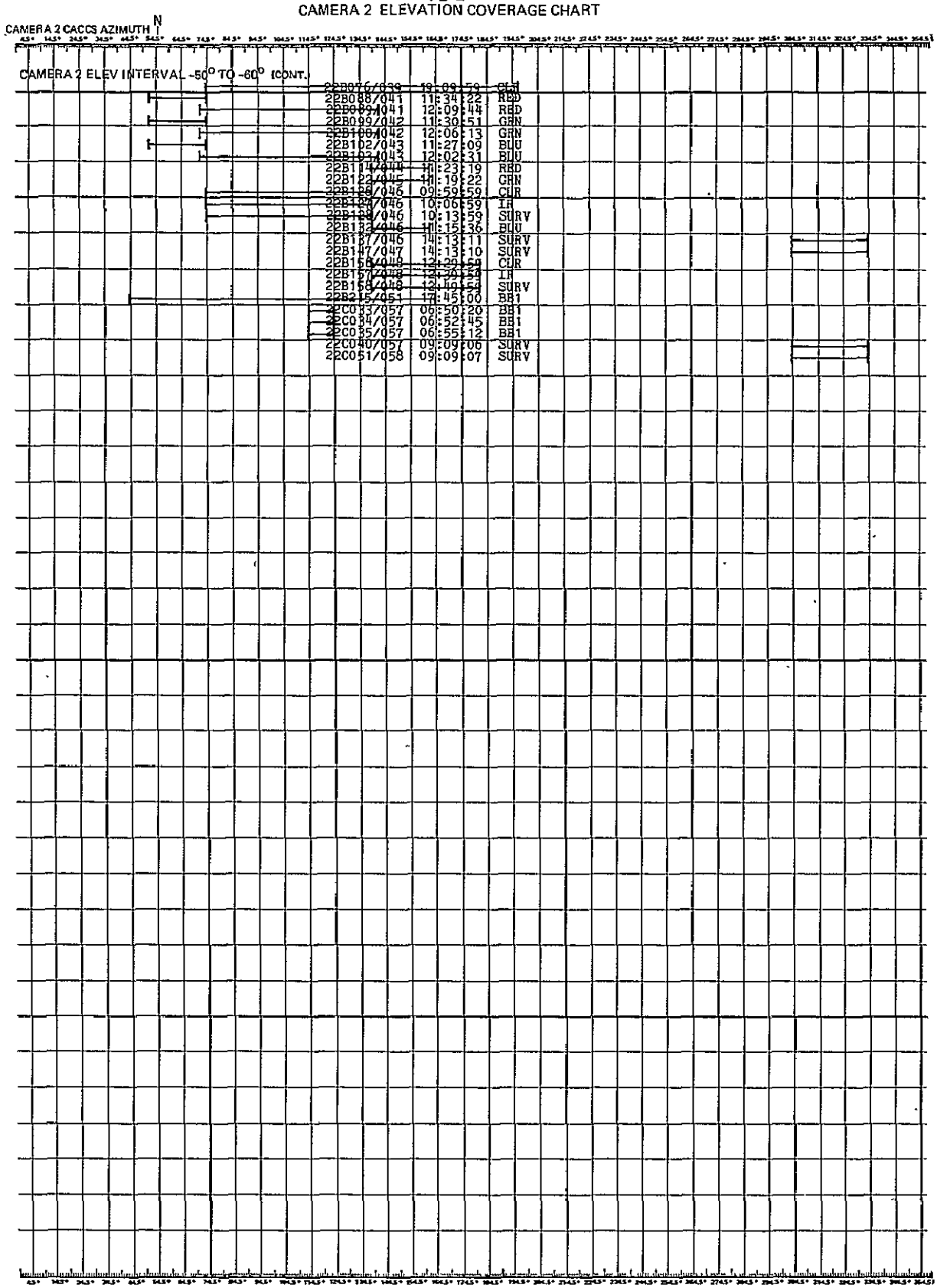
VL-2
CAMERA 2 ELEVATION COVERAGE CHART



VL-2
CAMERA 2 ELEVATION COVERAGE CHART



VL-2
CAMERA 2 ELEVATION COVERAGE CHART



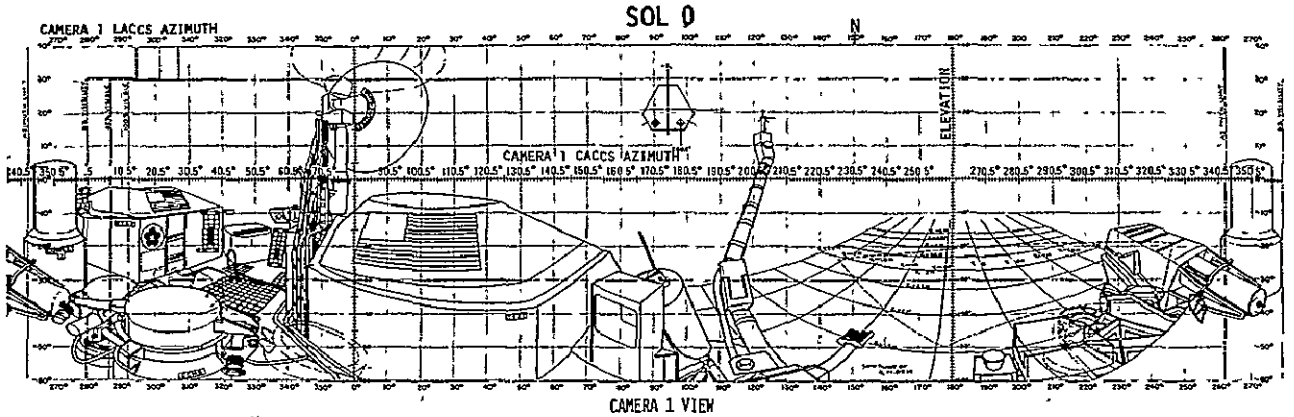
VL-2 SKYLINE DRAWINGS

VL-2 SKYLINE DRAWINGS

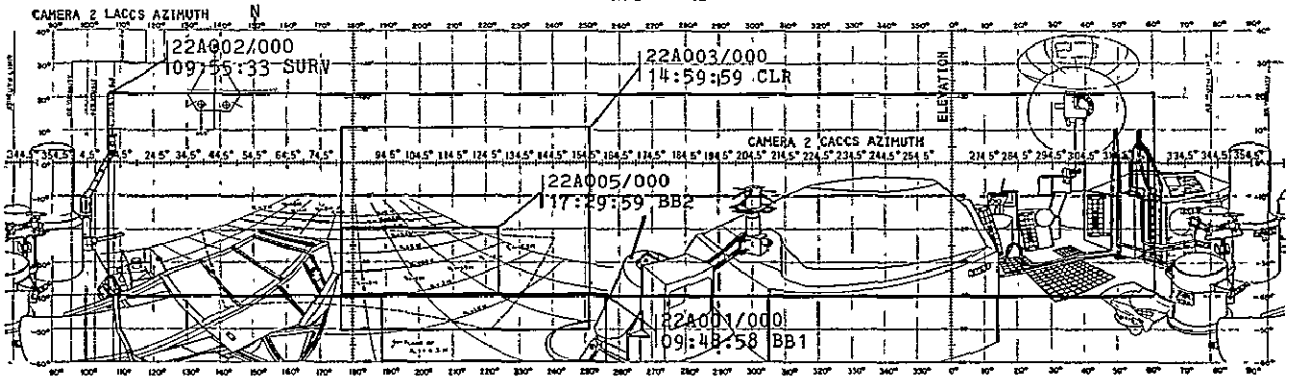
This section contains the skyline drawings for VL-2. The format for these drawings has been described in the section "Skyline Drawings."

VL-2

SOL 0

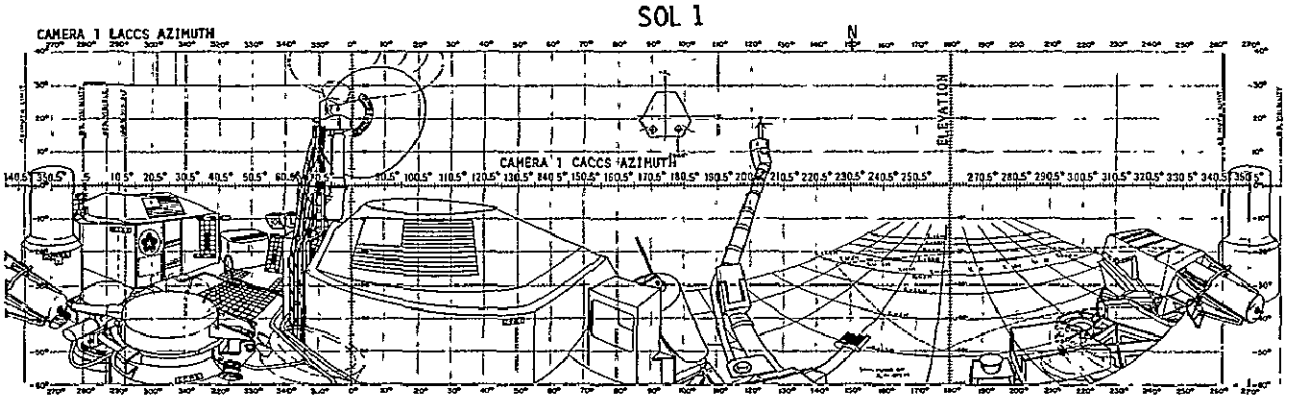


CAMERA 1 VIEW

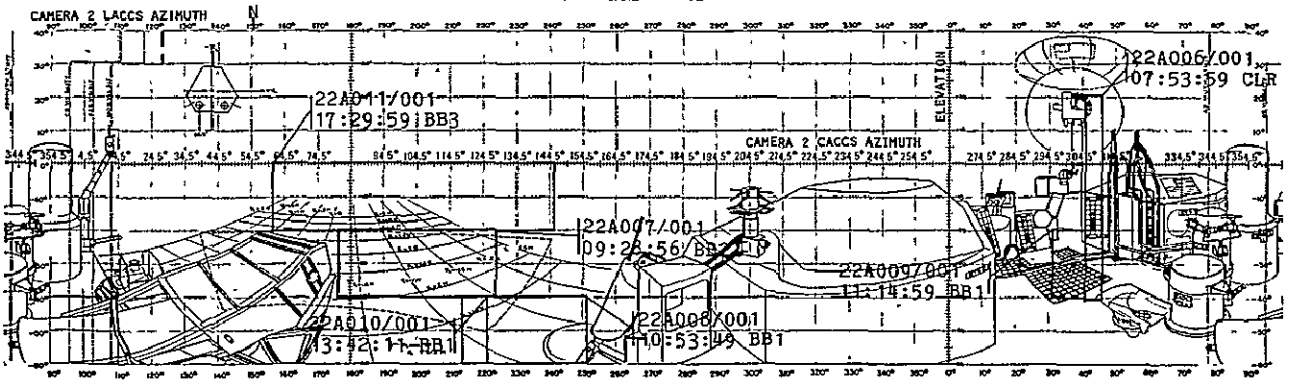


CAMERA 2 VIEW

SOL 1



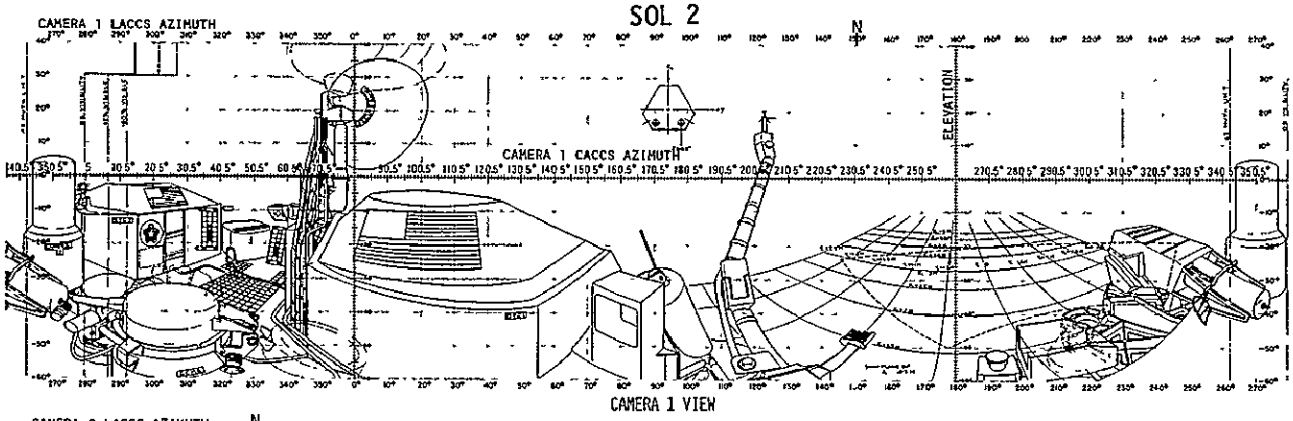
CAMERA 1 VIEW



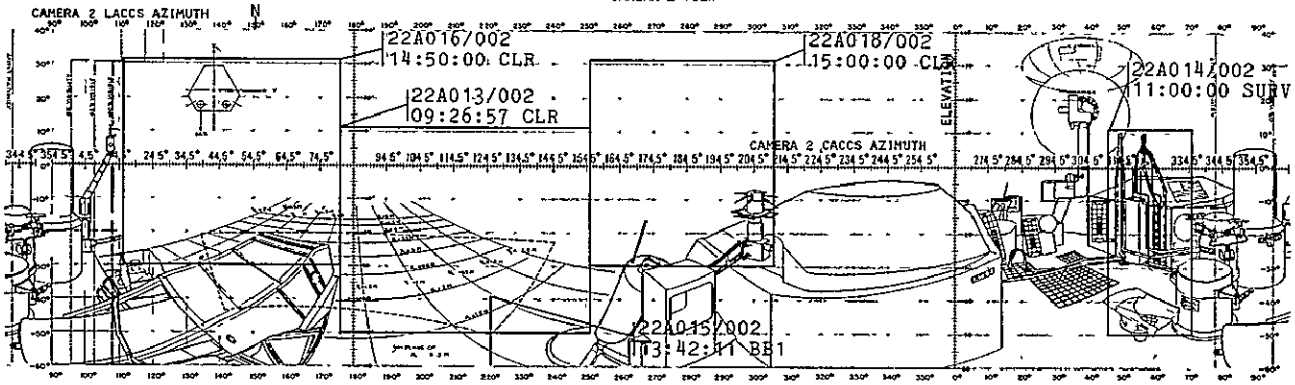
CAMERA 2 VIEW

VL-2

SOL 2

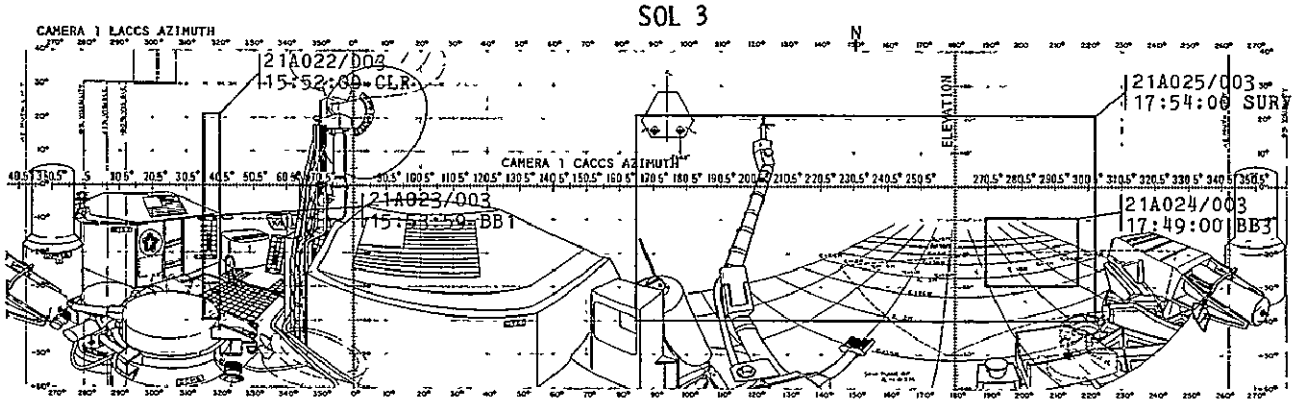


CAMERA 1 VIEW

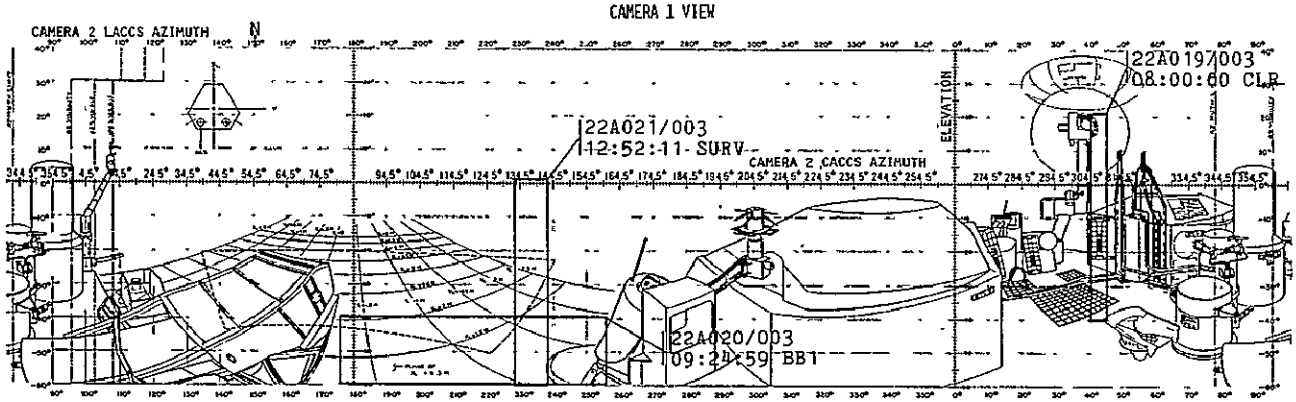


CAMERA 2 VIEW

SOL 3



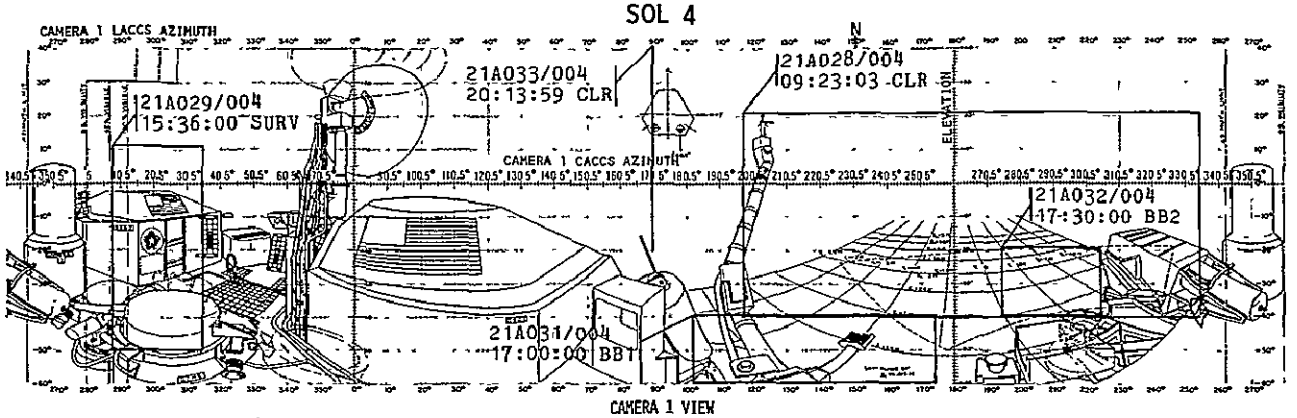
CAMERA 1 VIEW



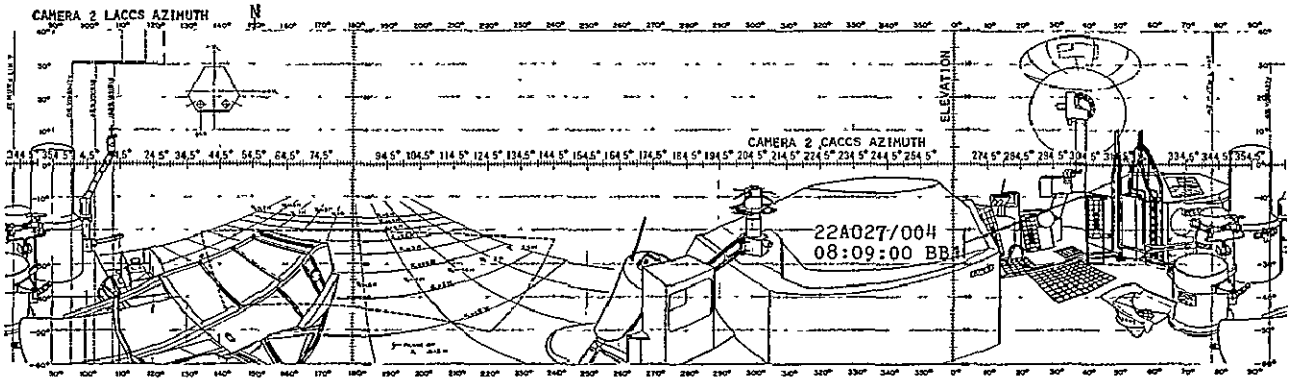
CAMERA 2 VIEW

VL-2

SOL 4

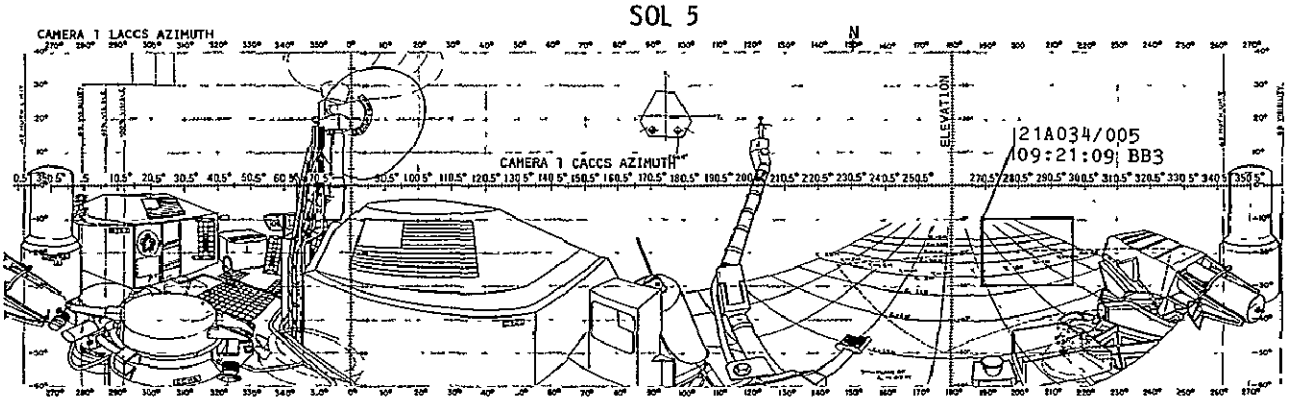


CAMERA 1 VIEW

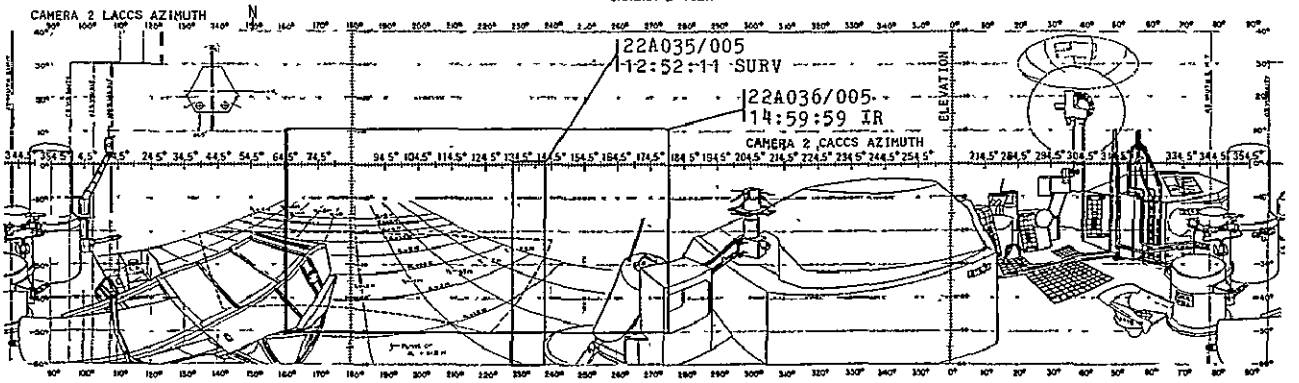


CAMERA 2 VIEW

SOL 5



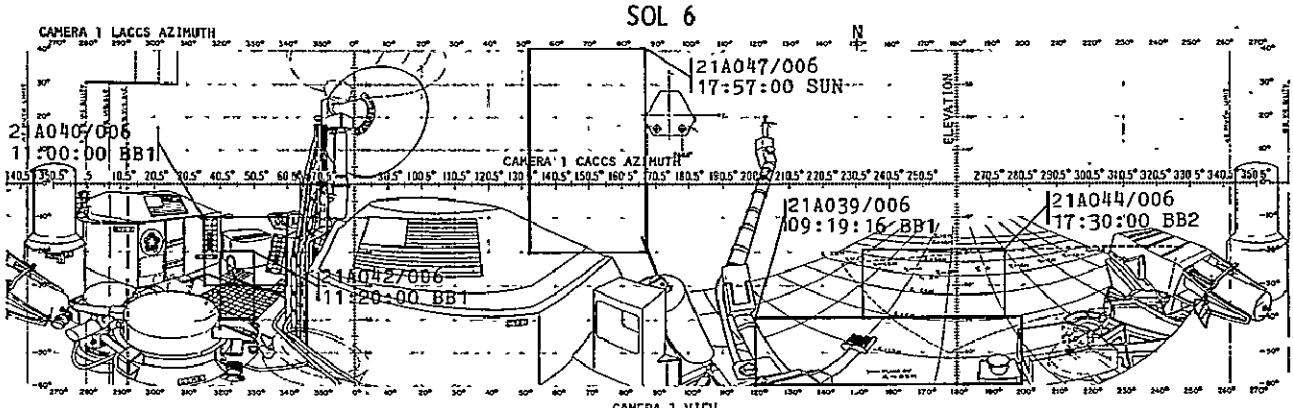
CAMERA 1 VIEW



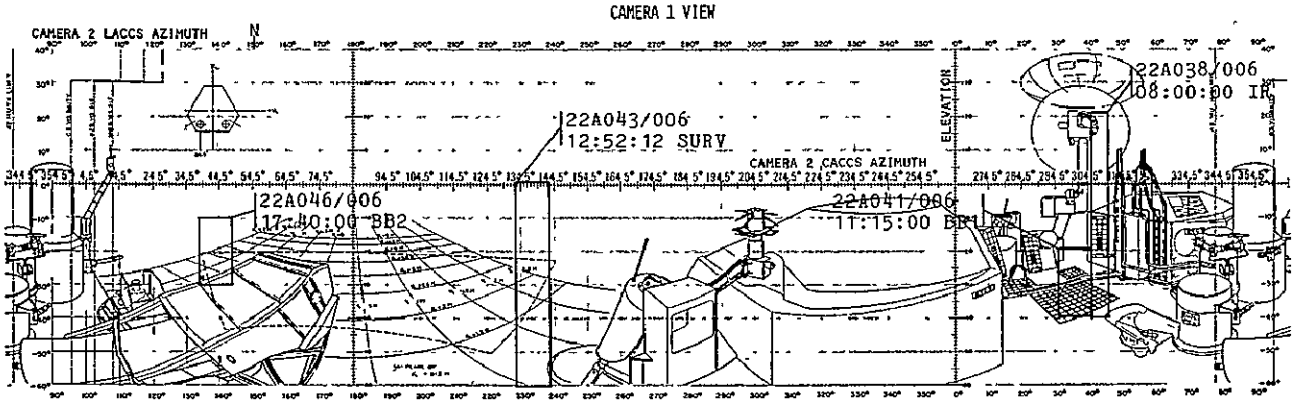
CAMERA 2 VIEW

VL-2

SOL 6

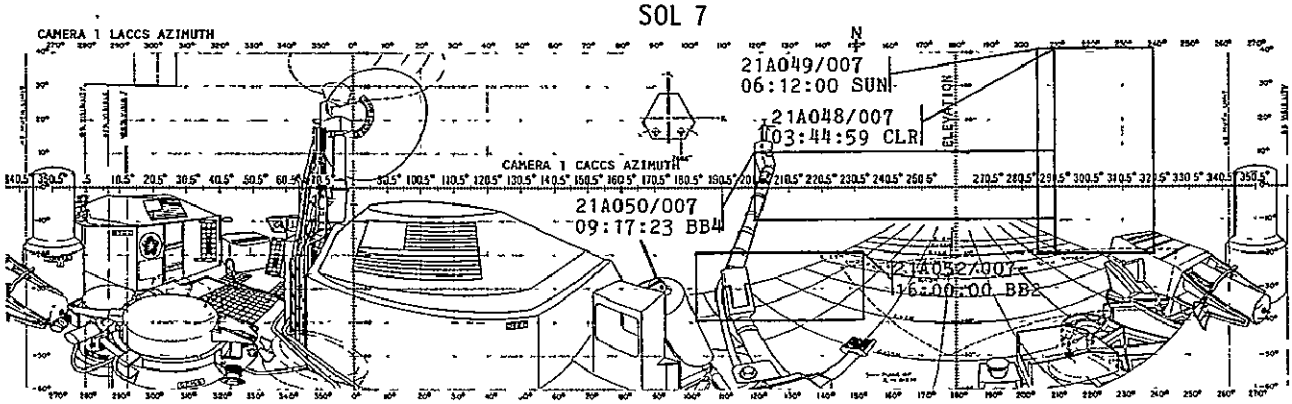


CAMERA 1 VIEW

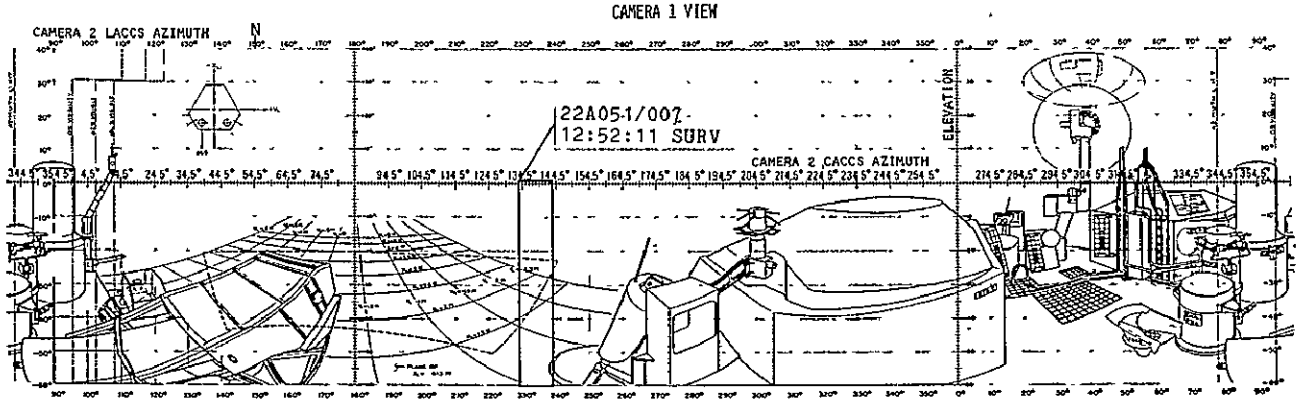


CAMERA 2 VIEW

SOL 7



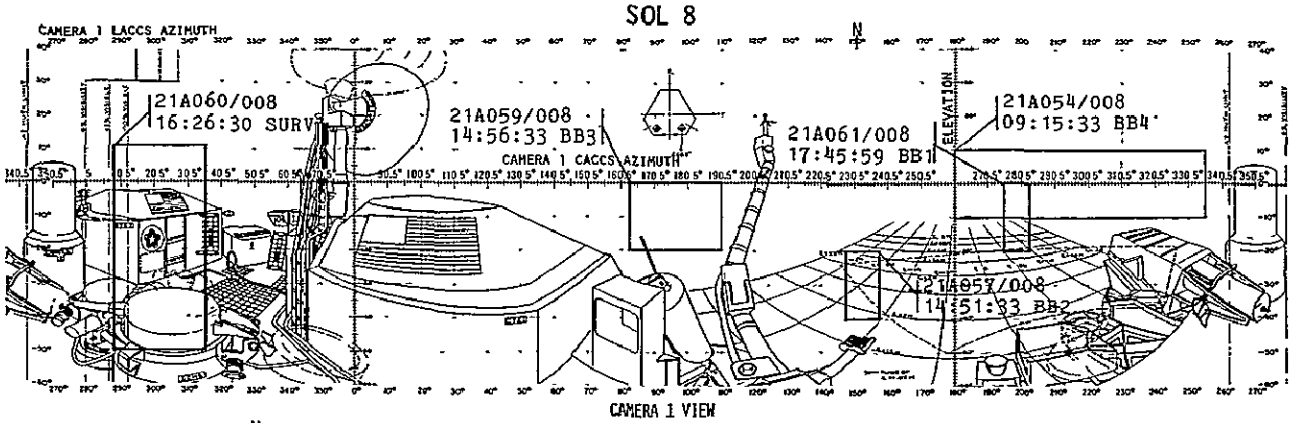
CAMERA 1 VIEW



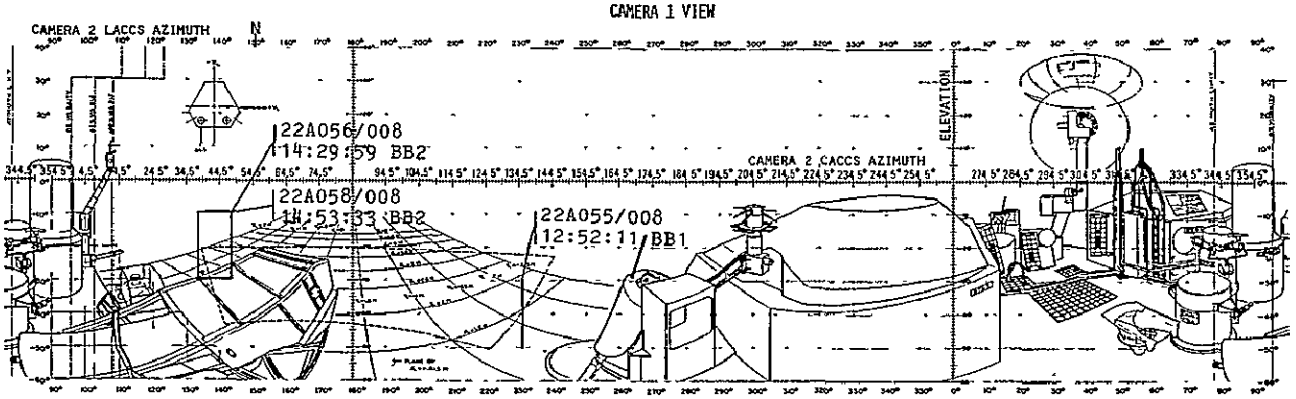
CAMERA 2 VIEW

VL-2

SOL 8

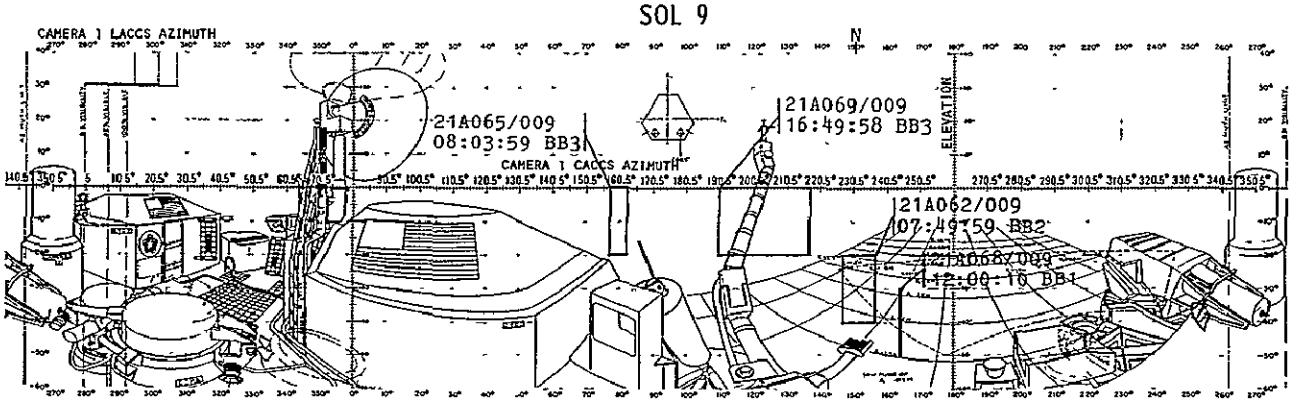


CAMERA 1 VIEW

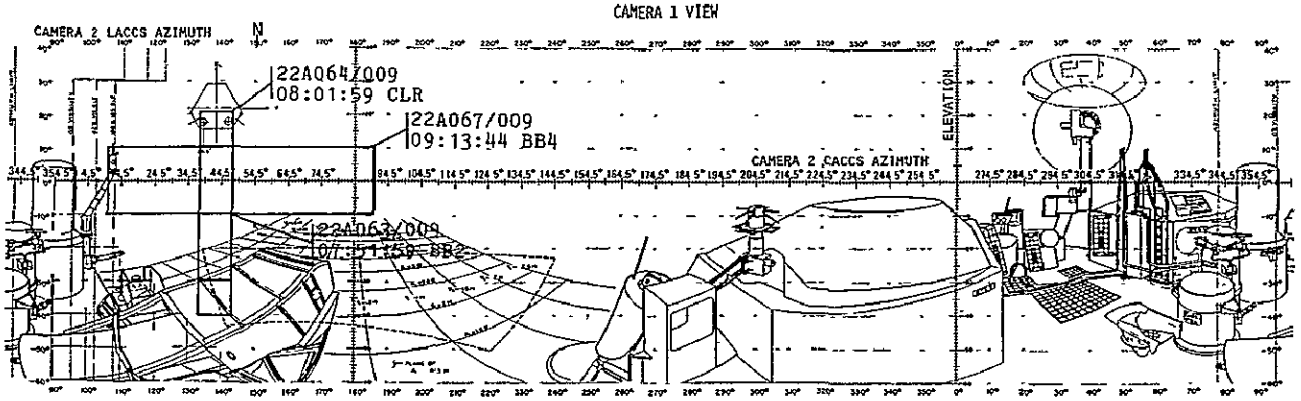


CAMERA 2 VIEW

SOL 9



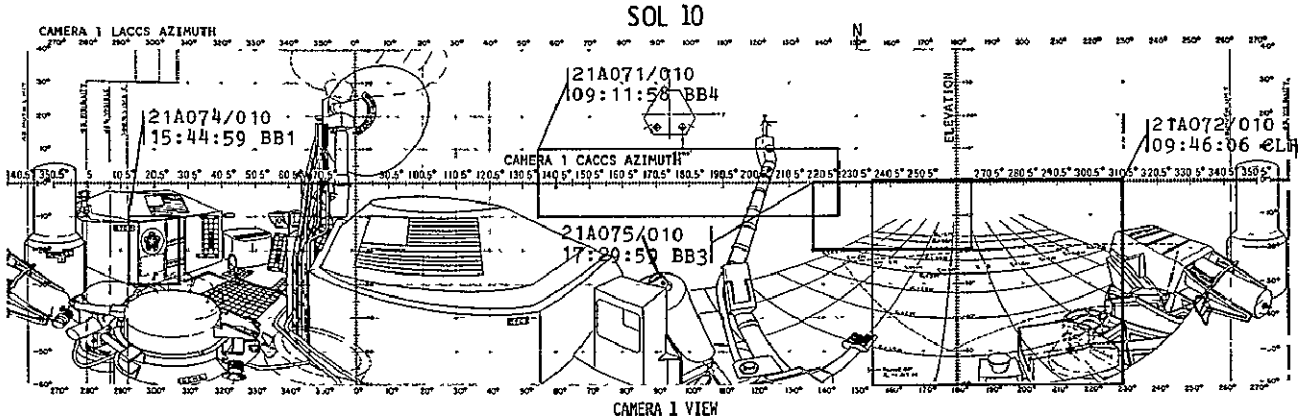
CAMERA 1 VIEW



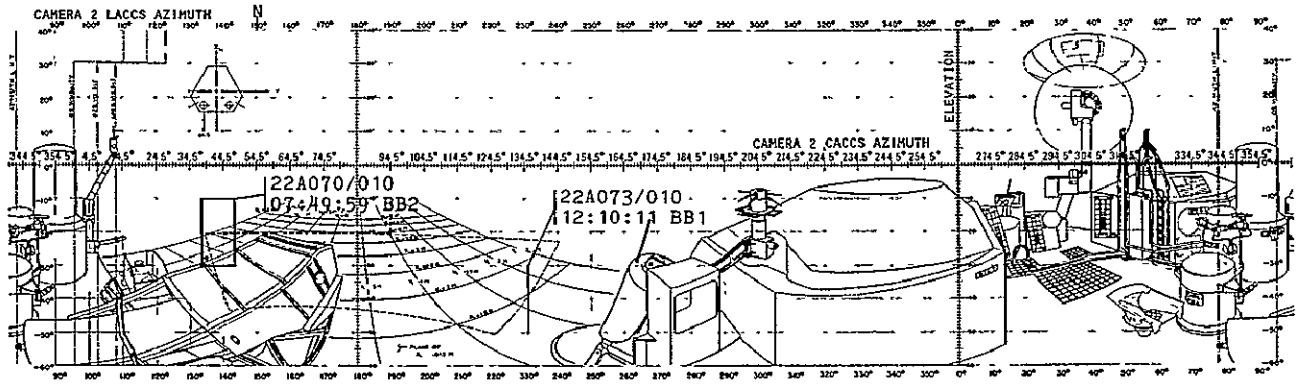
CAMERA 2 VIEW

VL-2

SOL 10

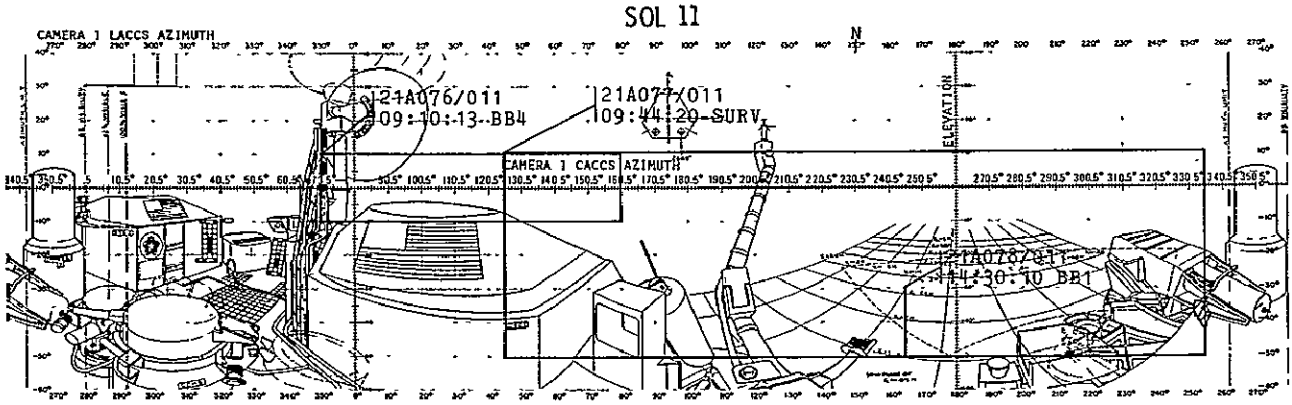


CAMERA 1 VIEW

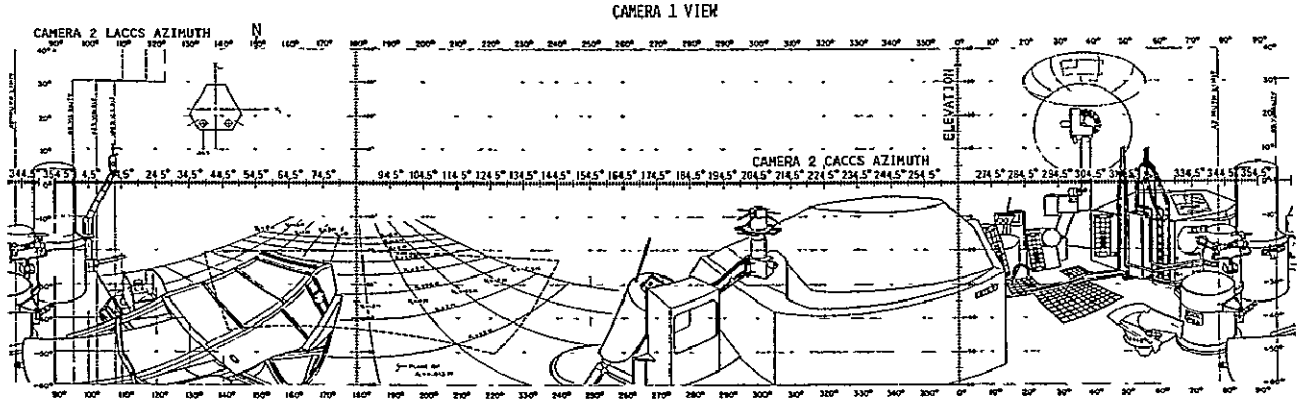


CAMERA 2 VIEW

SOL 11



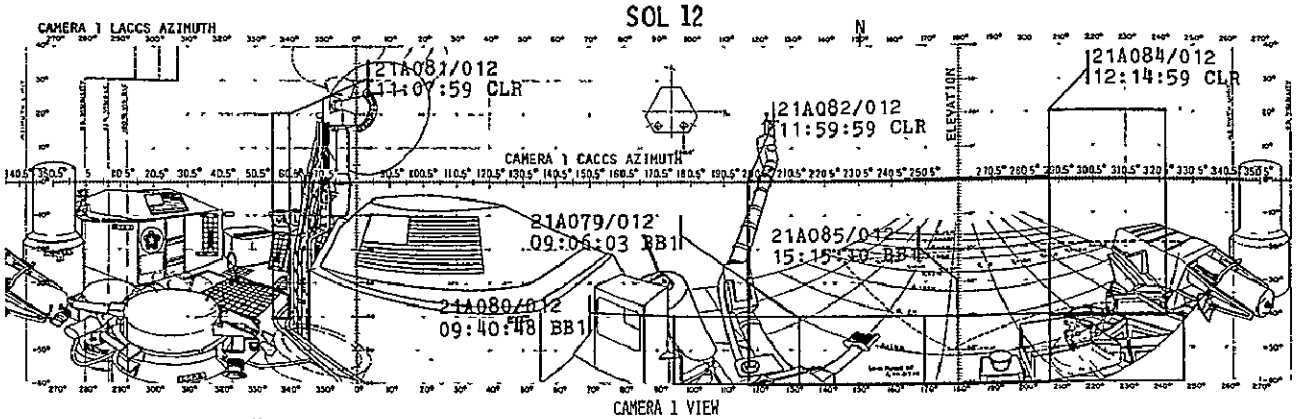
CAMERA 1 VIEW



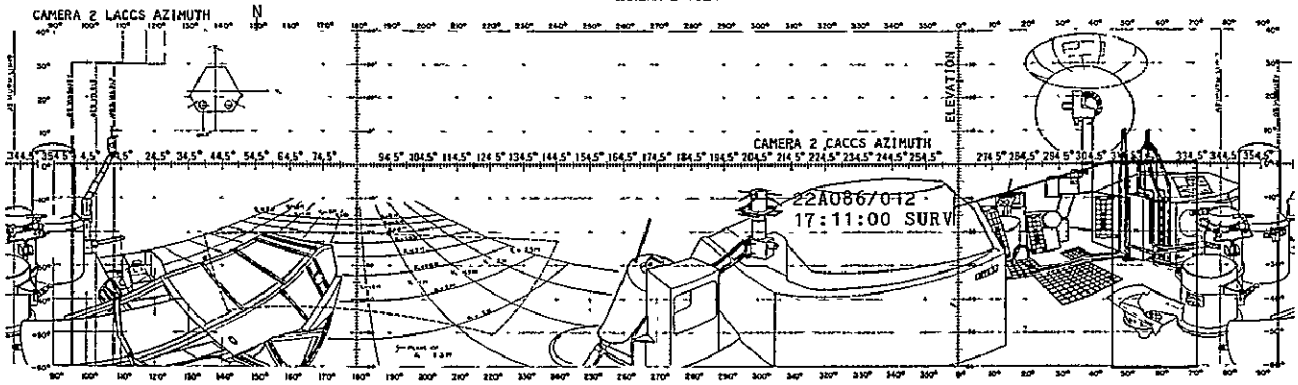
CAMERA 2 VIEW

VL-2

SOL 12

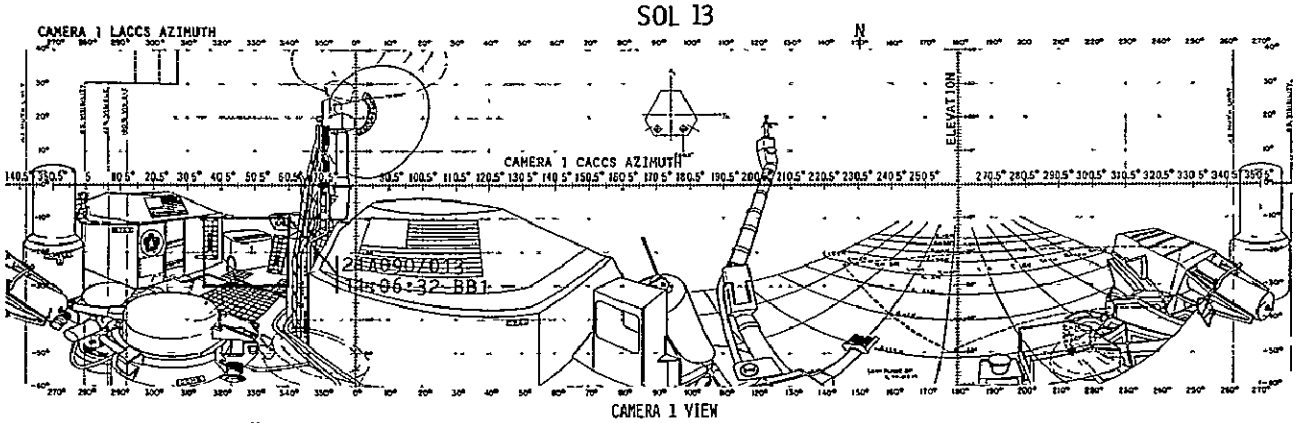


CAMERA 1 VIEW

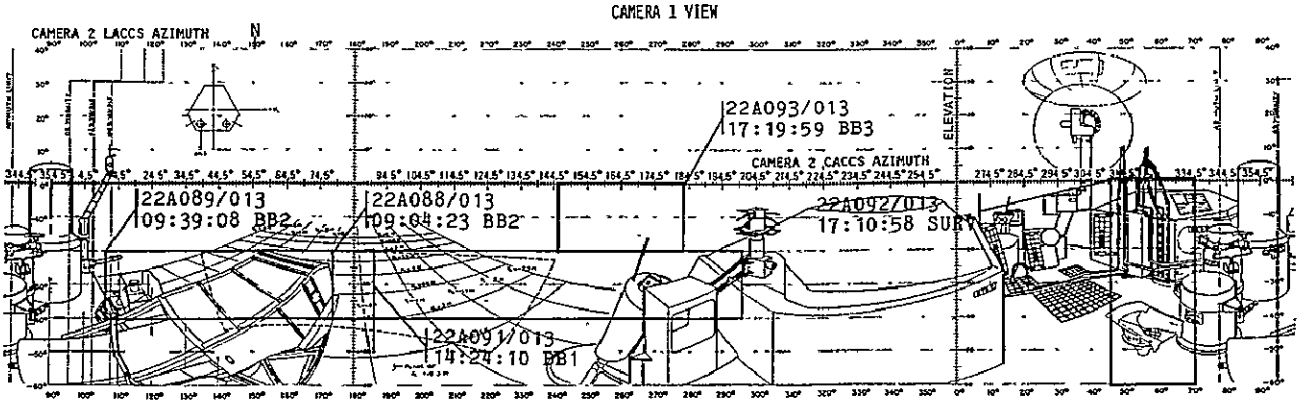


CAMERA 2 VIEW

SOL 13



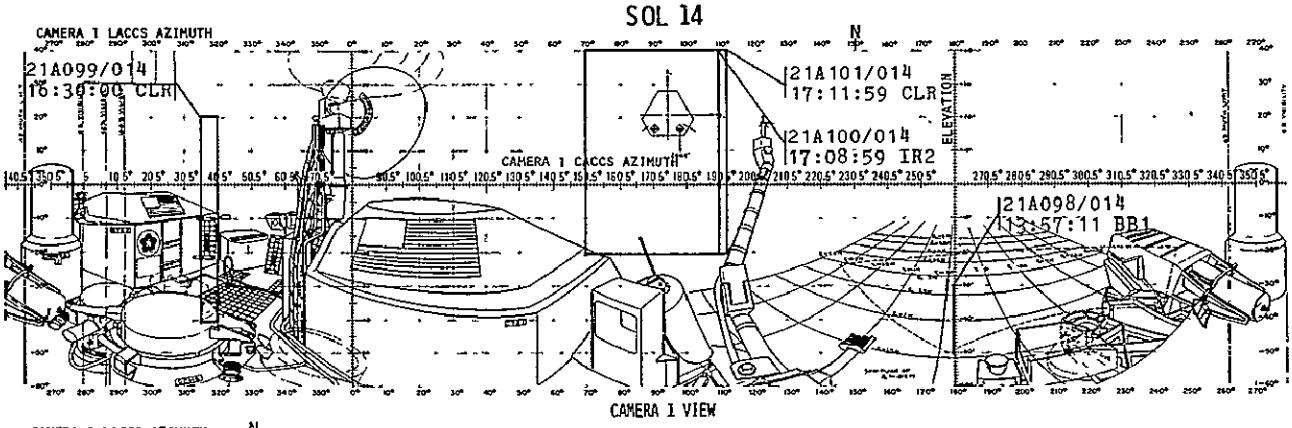
CAMERA 1 VIEW



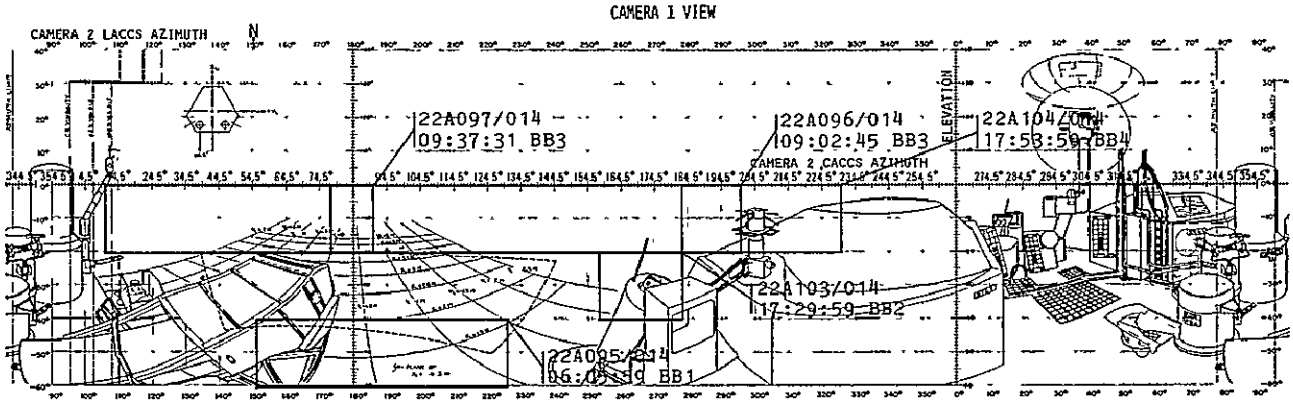
CAMERA 2 VIEW

VL-2

SOL 14

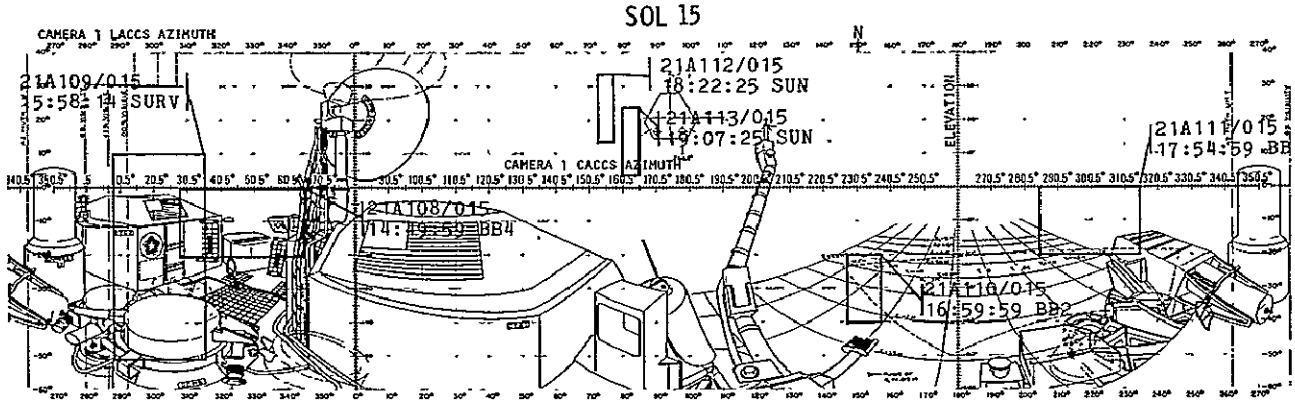


CAMERA 1 VIEW

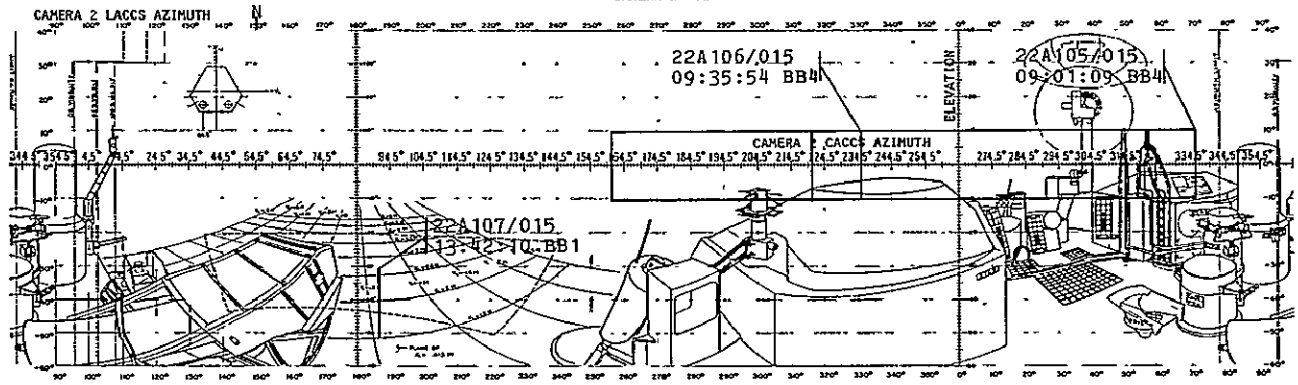


CAMERA 2 VIEW

SOL 15



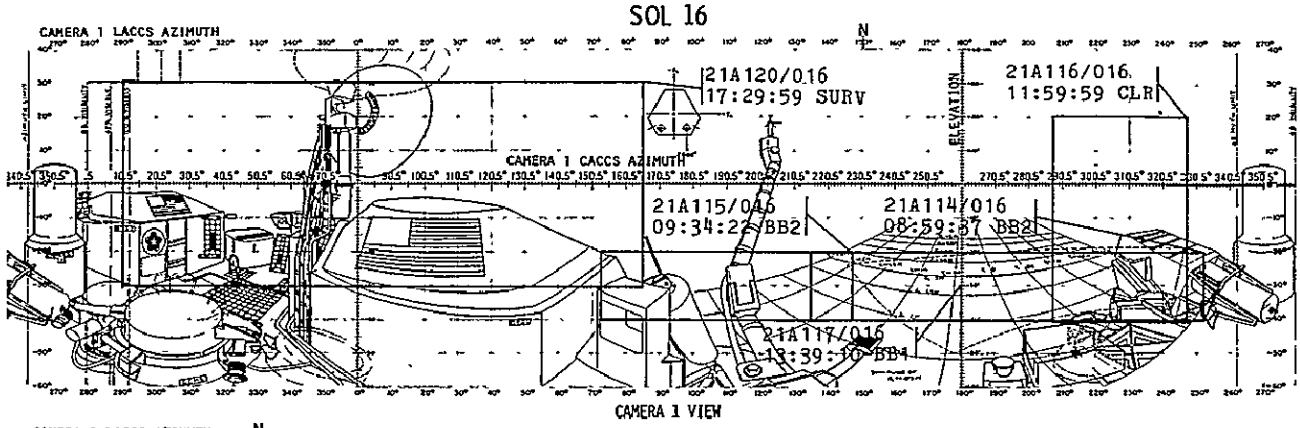
CAMERA 1 VIEW



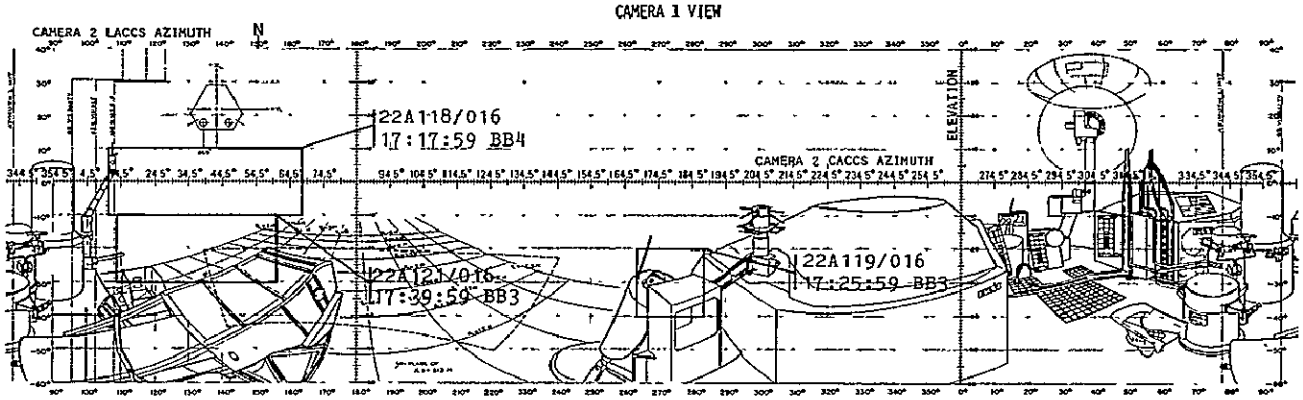
CAMERA 2 VIEW

VL-2

SOL 16

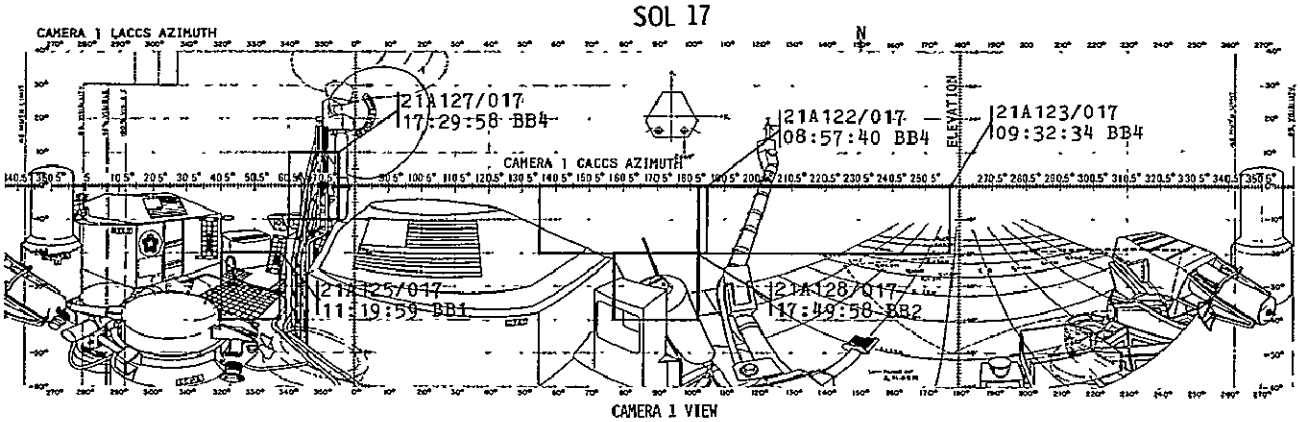


CAMERA 1 VIEW

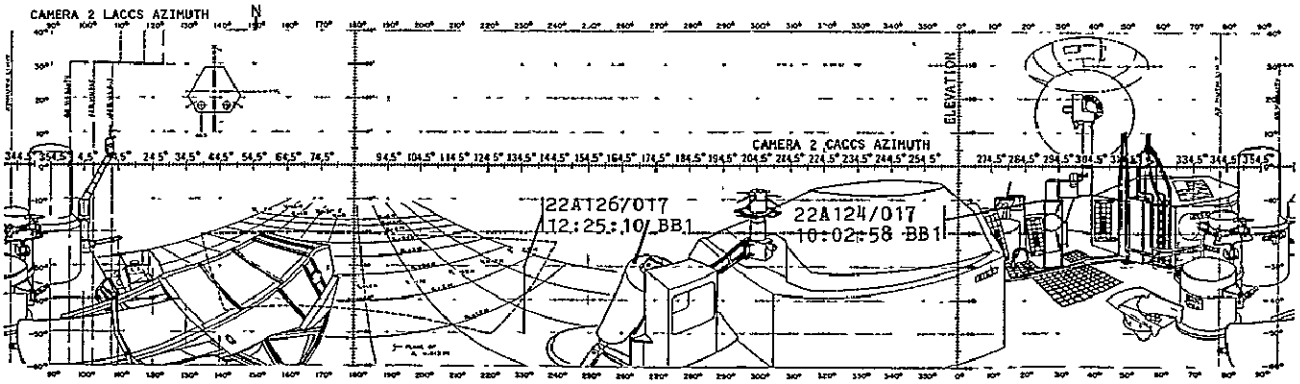


CAMERA 2 VIEW

SOL 17



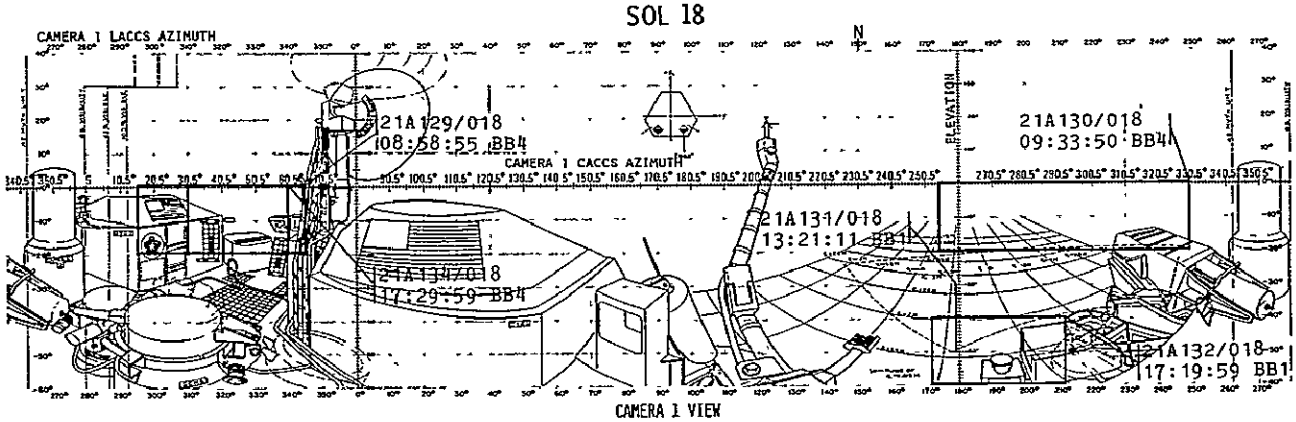
CAMERA 1 VIEW



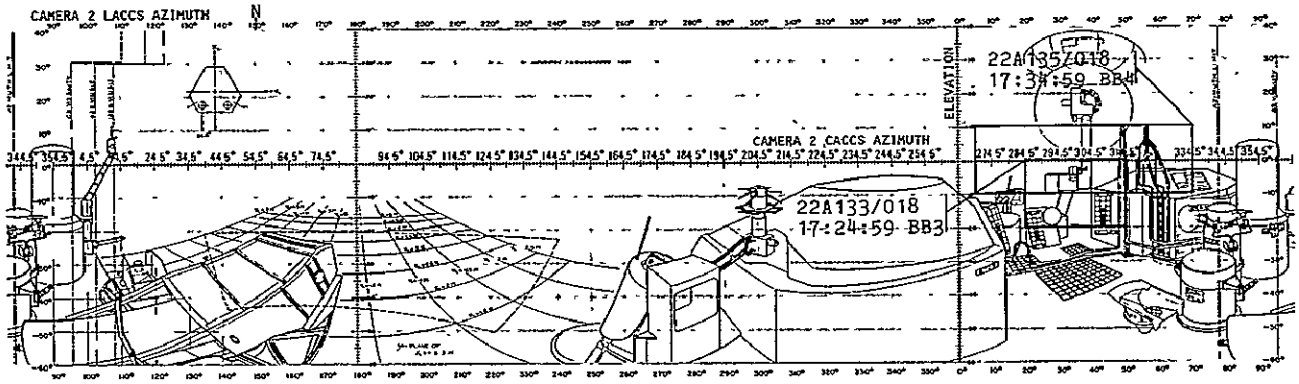
CAMERA 2 VIEW

VL-2

SOL 18

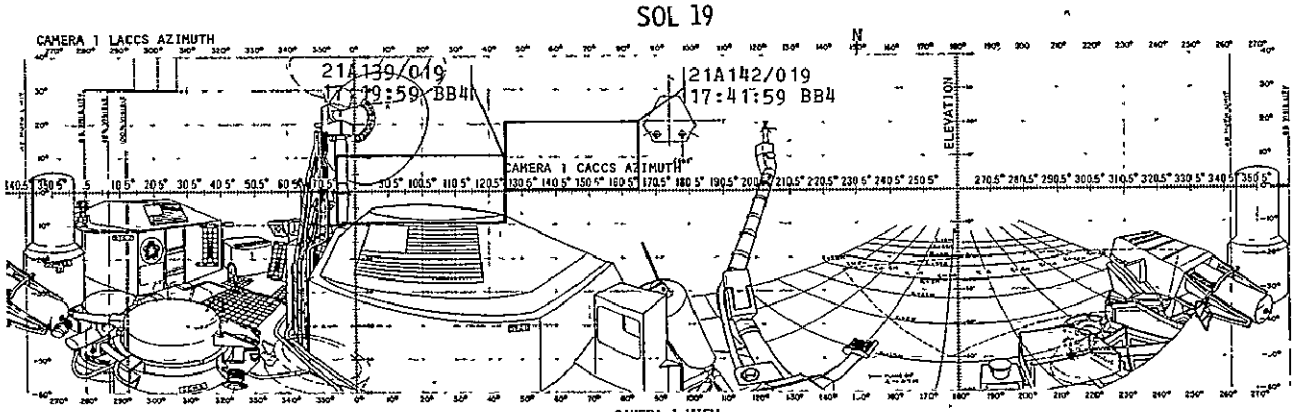


CAMERA 1 VIEW

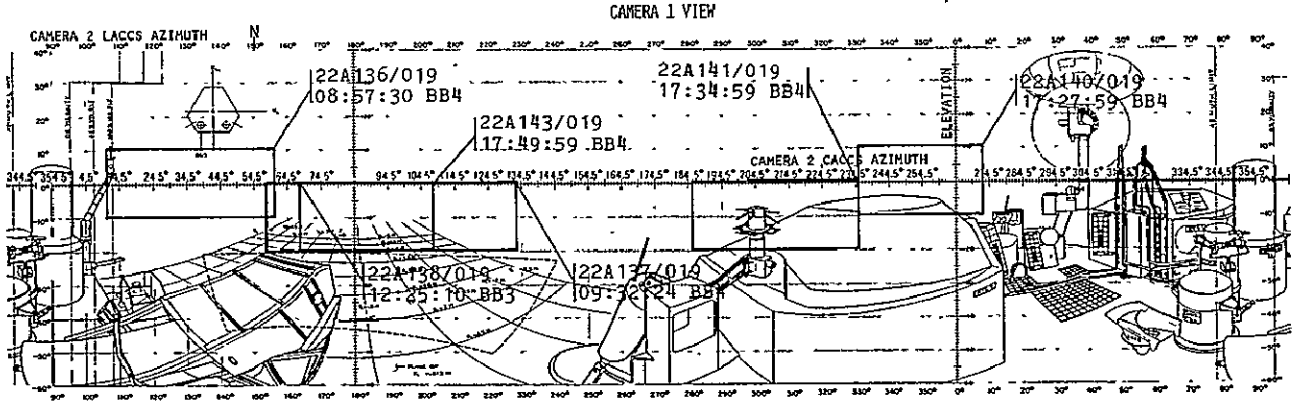


CAMERA 2 VIEW

SOL 19



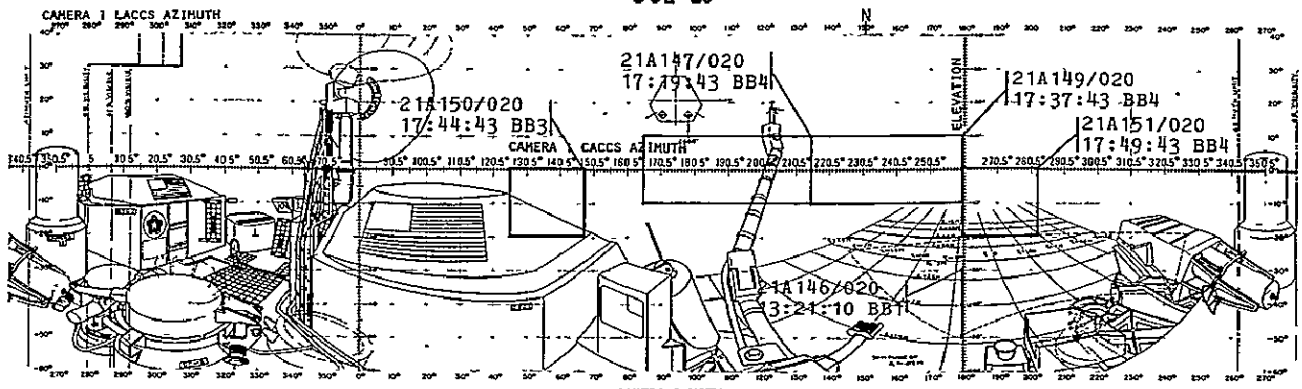
CAMERA 1 VIEW



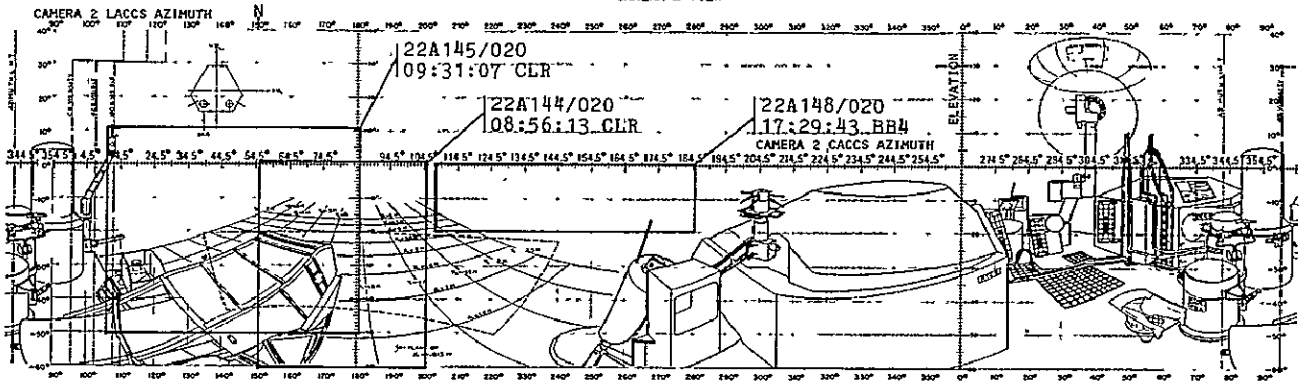
CAMERA 2 VIEW

VL-2

SOL 20

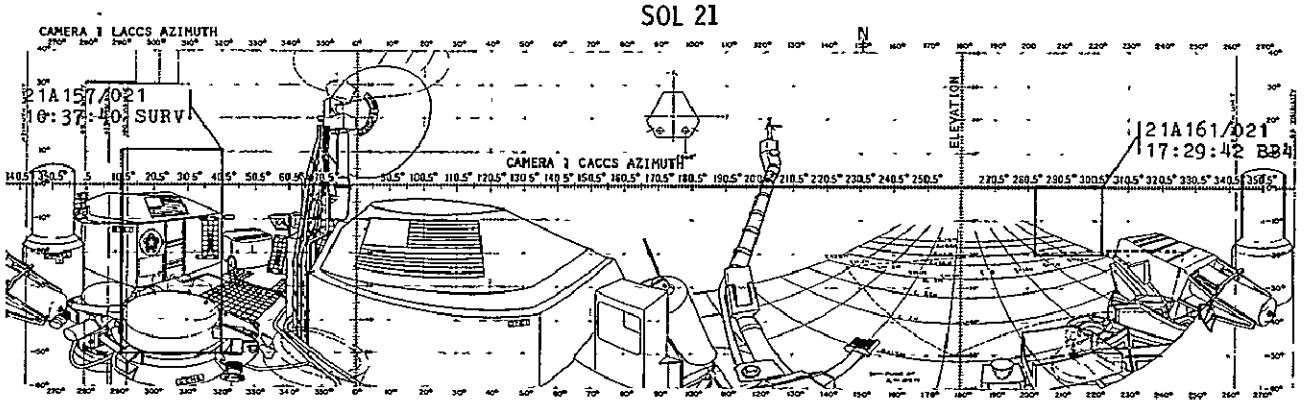


CAMERA 1 VIEW

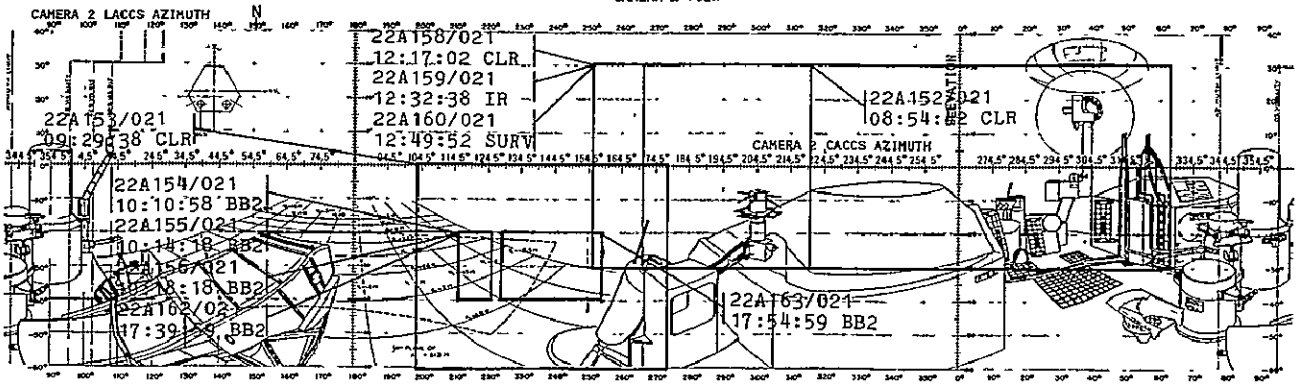


CAMERA 2 VIEW

SOL 21



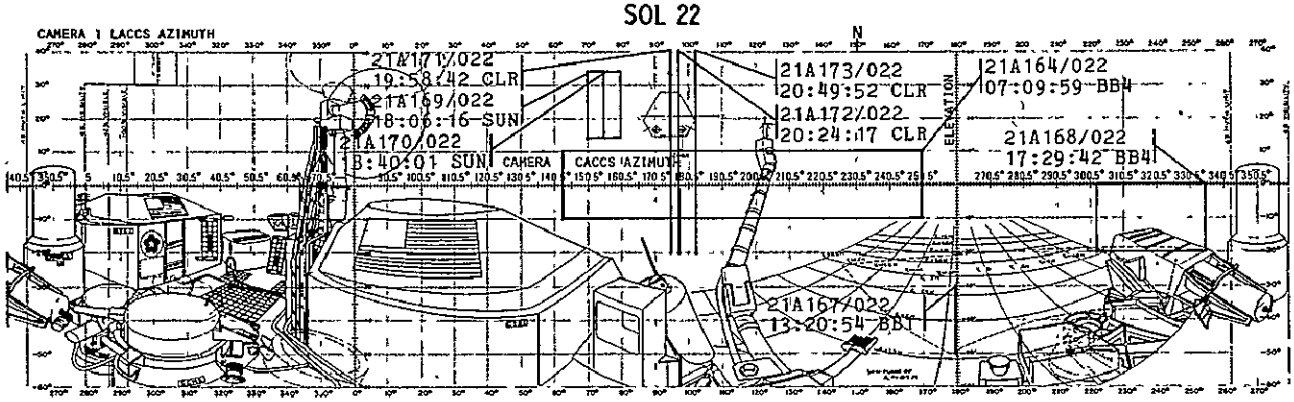
CAMERA 1 VIEW



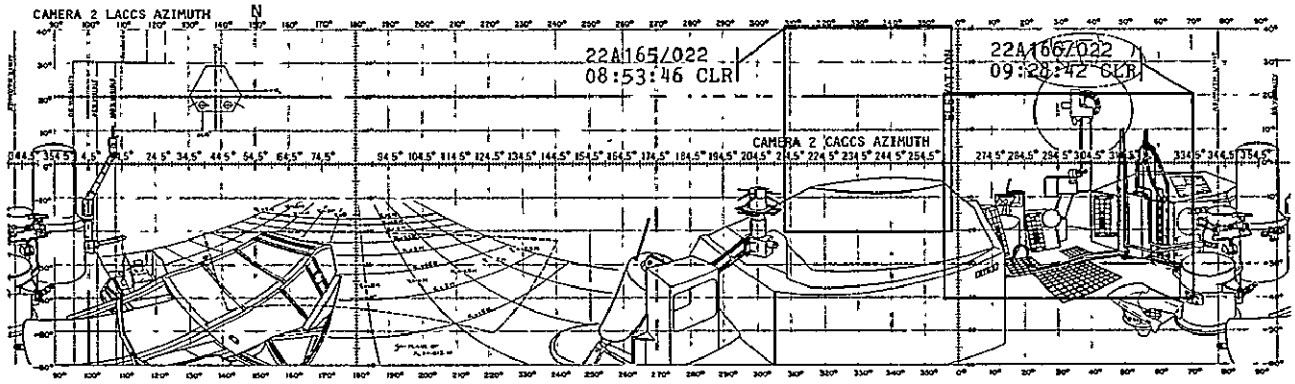
CAMERA 2 VIEW

VL-2

SOL 22

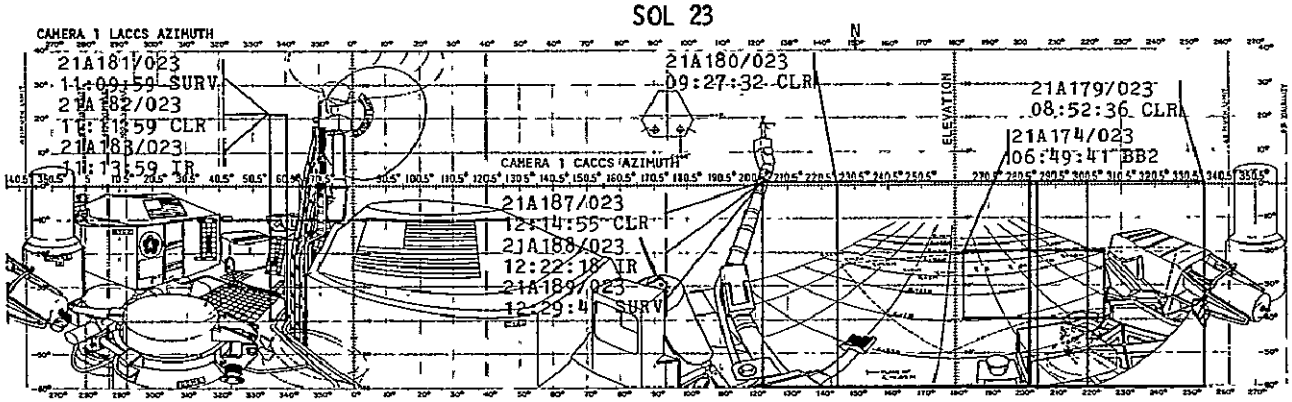


CAMERA 1 VIEW

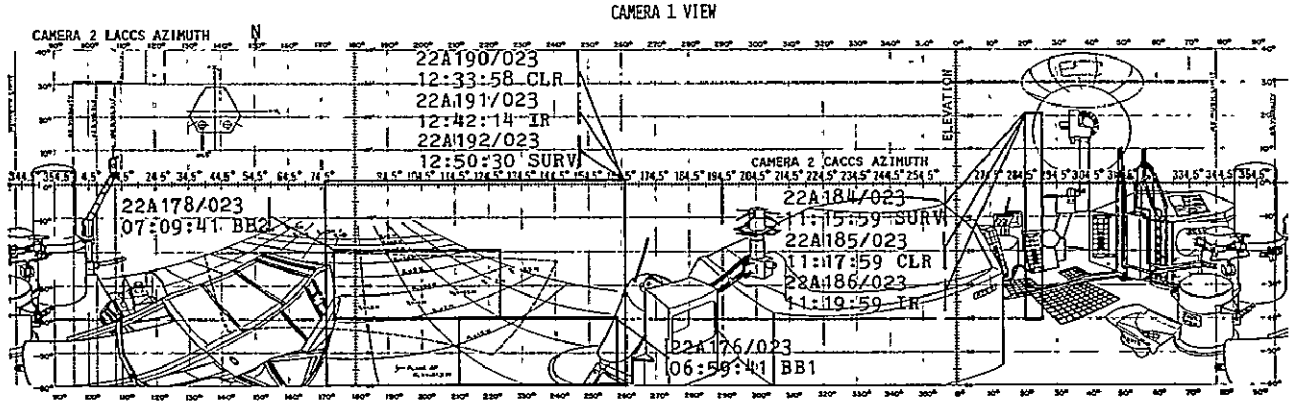


CAMERA 2 VIEW

SOL 23



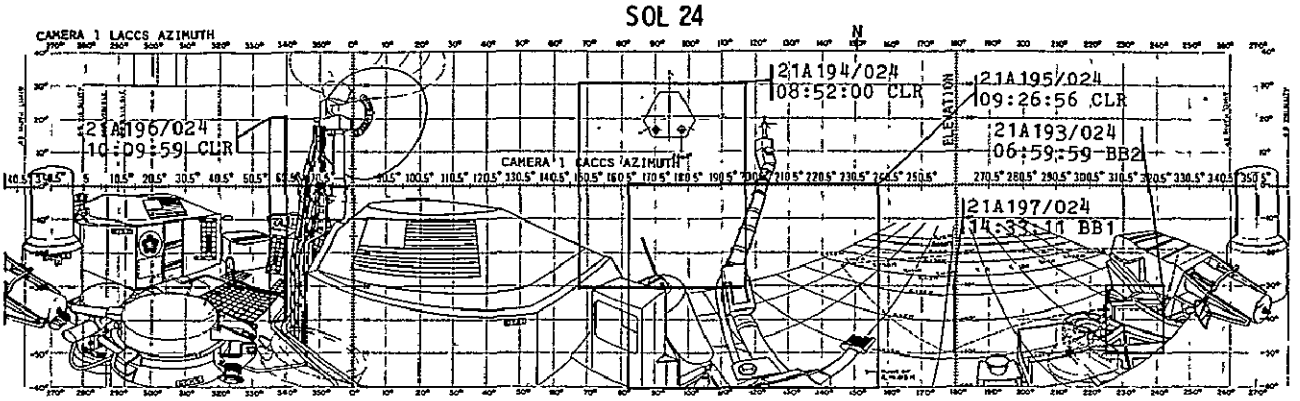
CAMERA 1 VIEW



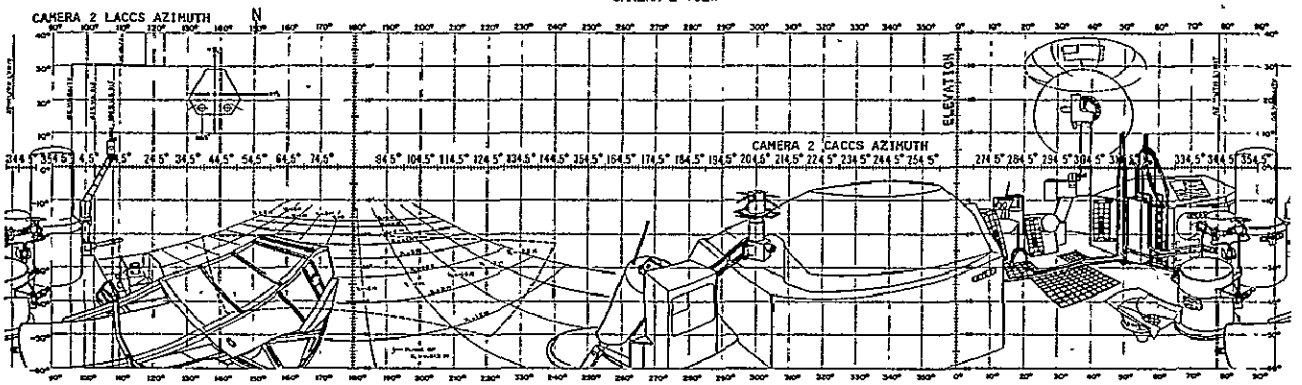
CAMERA 2 VIEW

VL-2

SOL 24

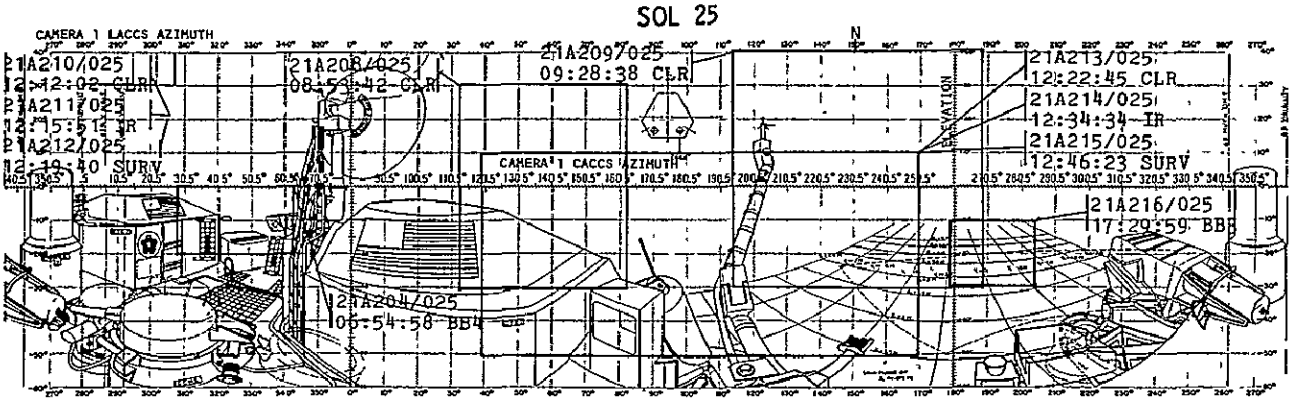


CAMERA 1 VIEW

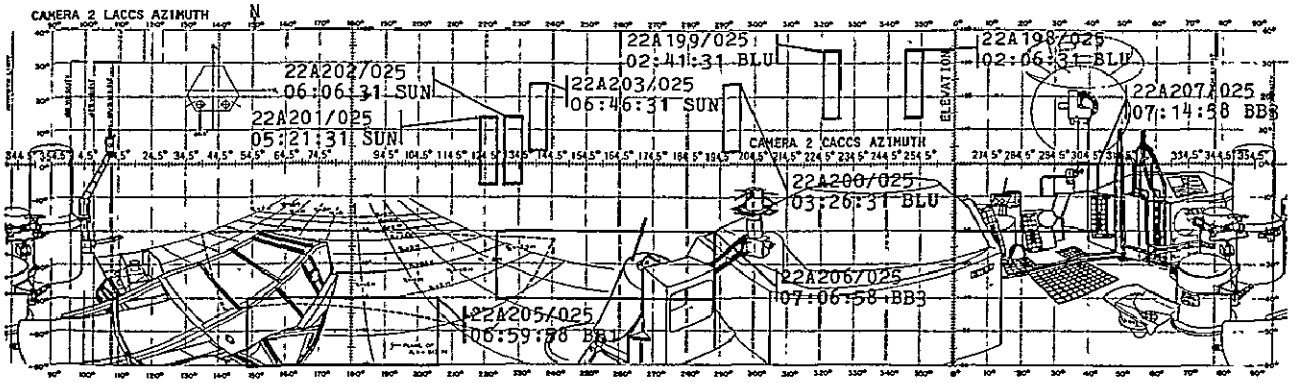


CAMERA 2 VIEW

SOL 25



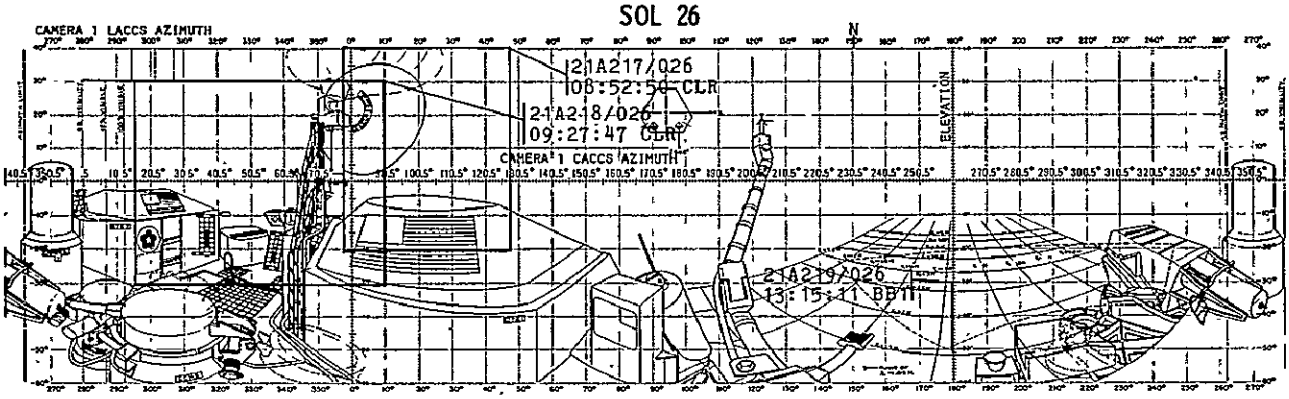
CAMERA 1 VIEW



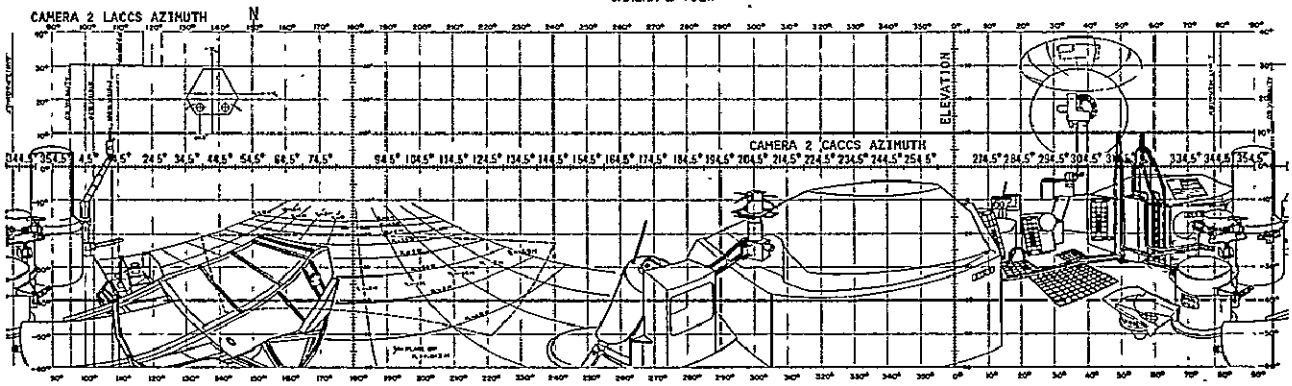
CAMERA 2 VIEW

VL-2

SOL 26

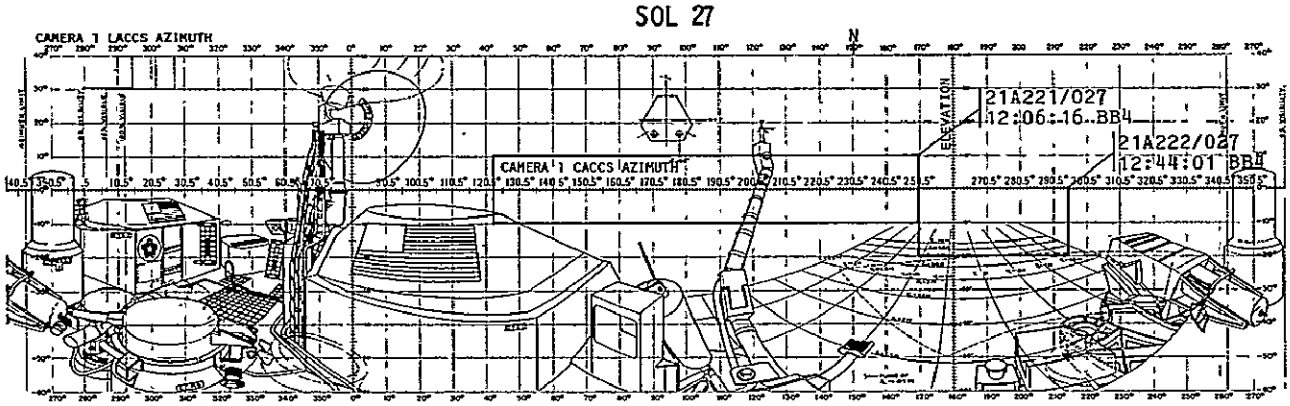


CAMERA 1 VIEW

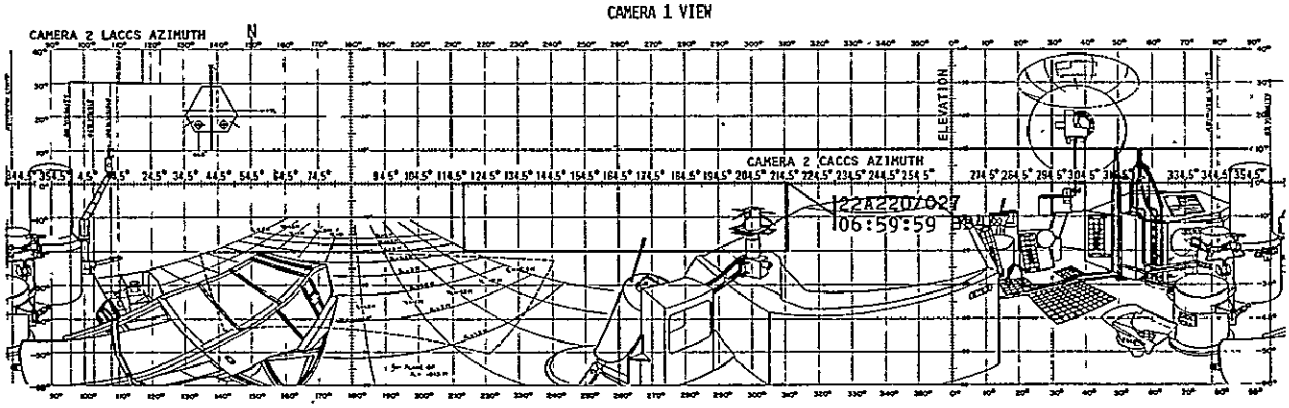


CAMERA 2 VIEW

SOL 27



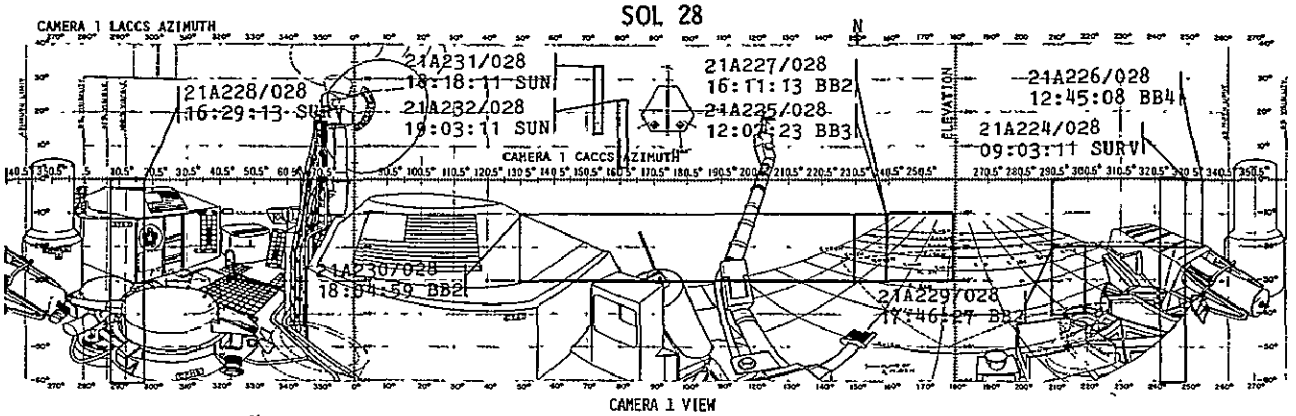
CAMERA 1 VIEW



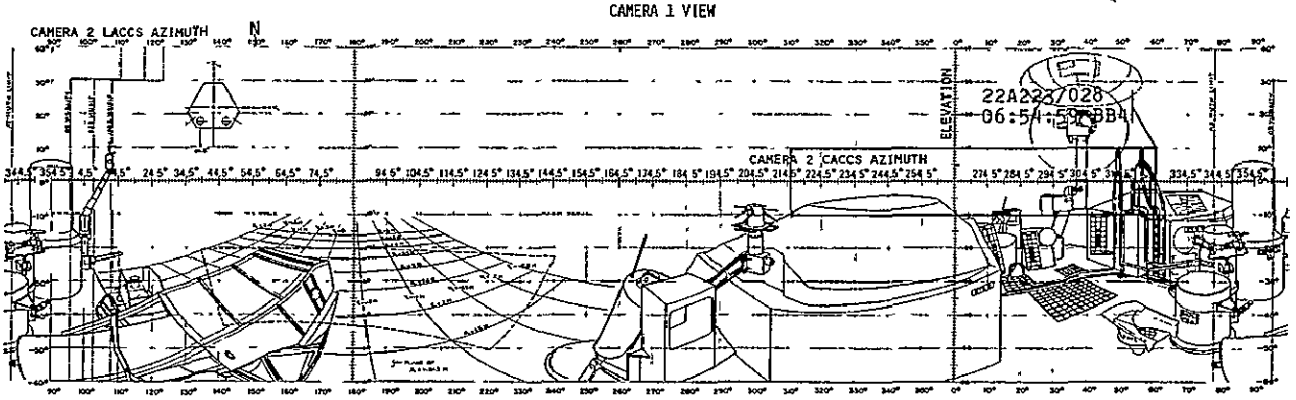
CAMERA 2 VIEW

VL-2

SOL 28

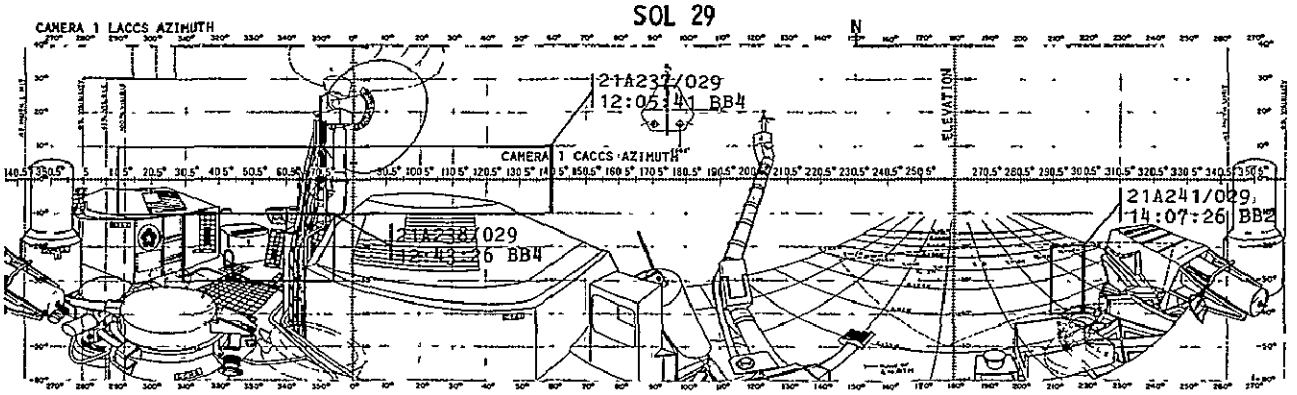


CAMERA 1 VIEW

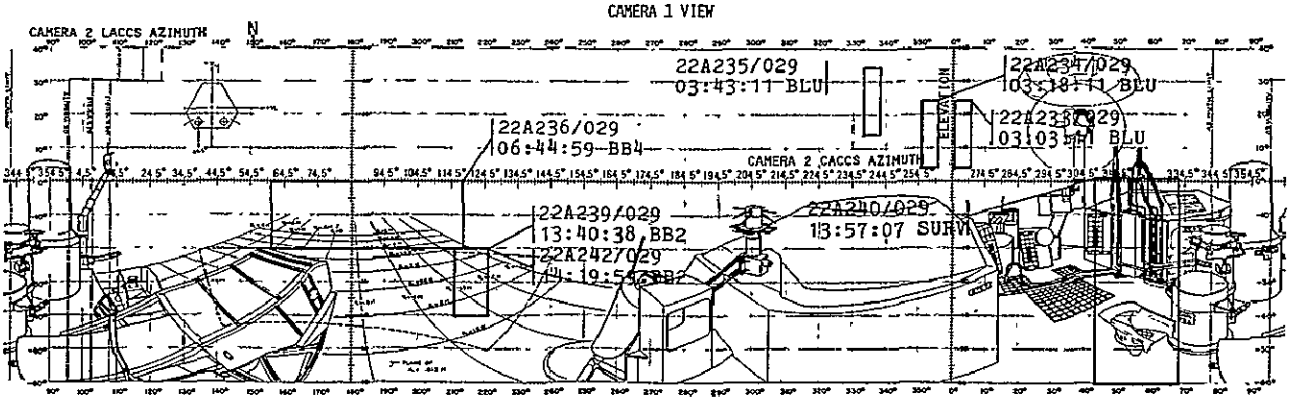


CAMERA 2 VIEW

SOL 29



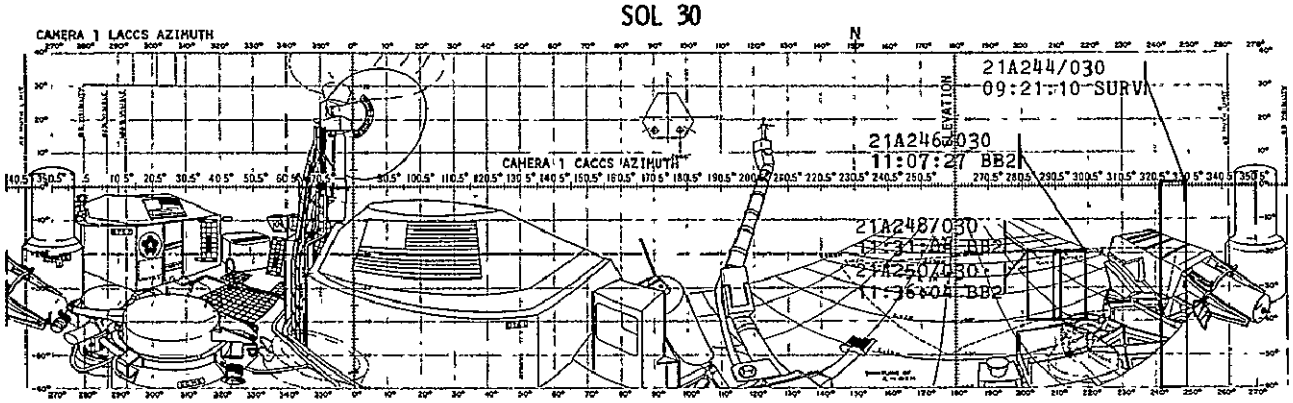
CAMERA 1 VIEW



CAMERA 2 VIEW

VL-2

SOL 30



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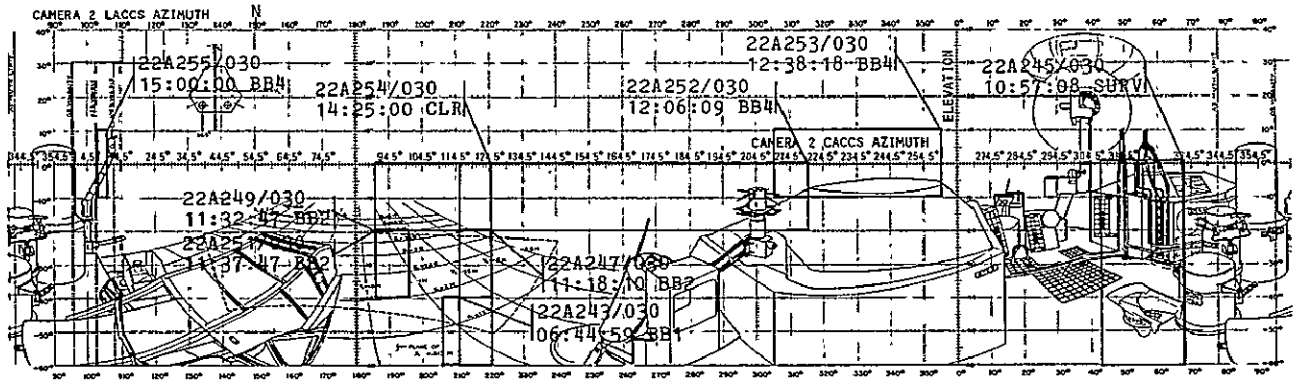
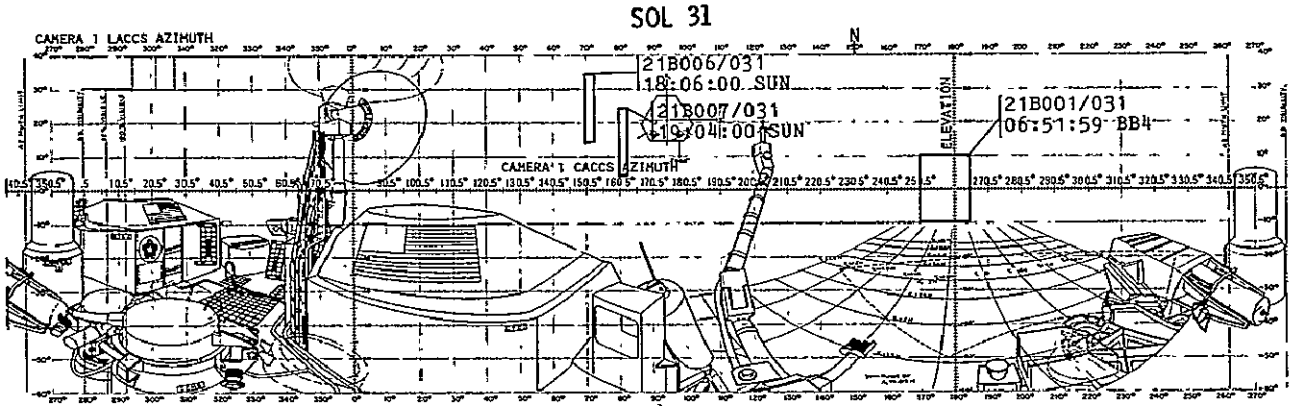
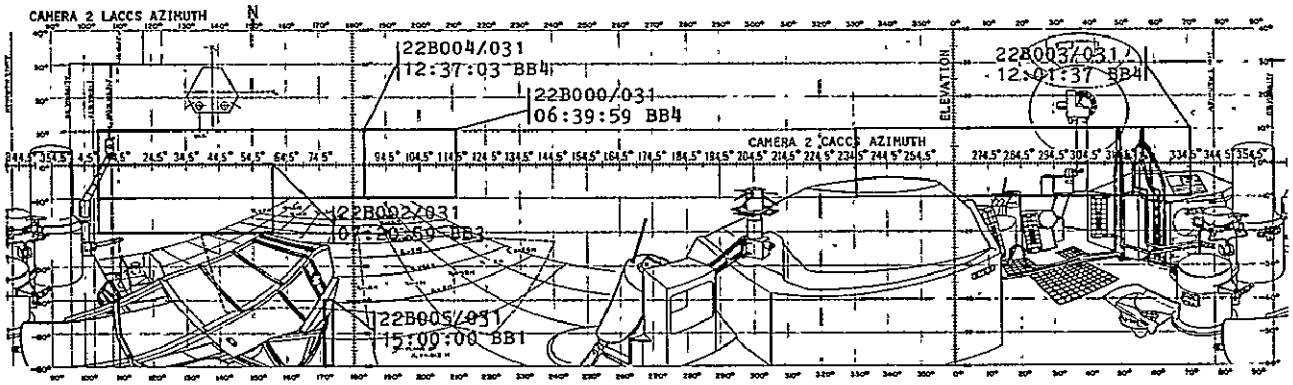


CAMERA 2 VIEW

SOL 31



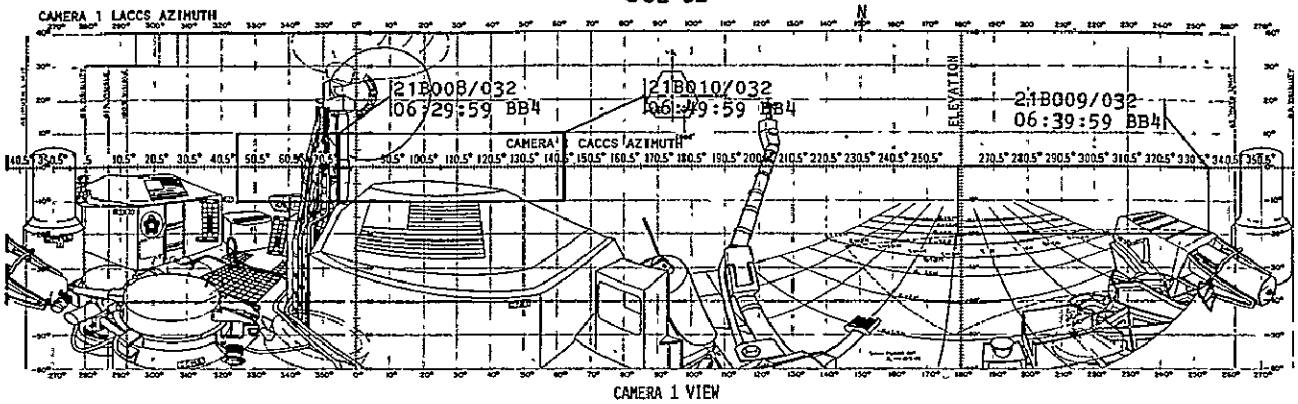
CAMERA 1 VIEW



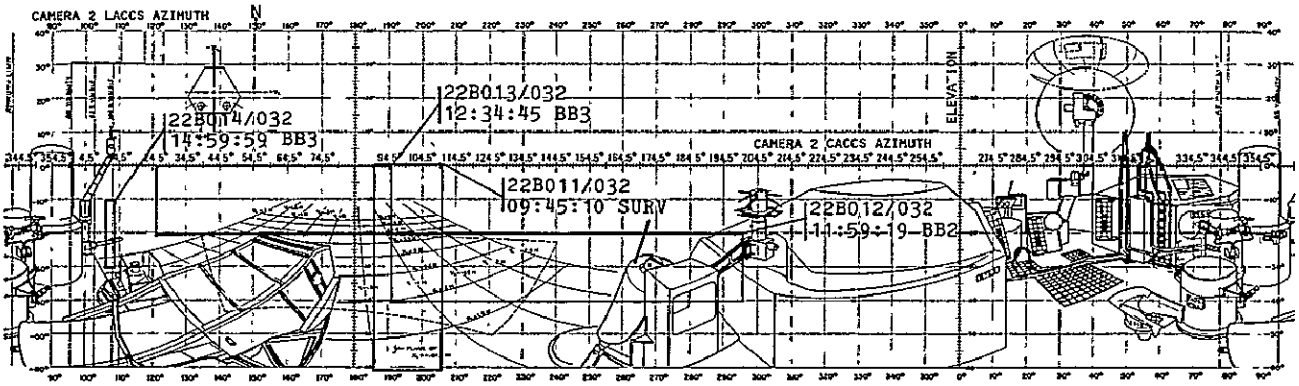
CAMERA 2 VIEW

VL-2

SOL 32

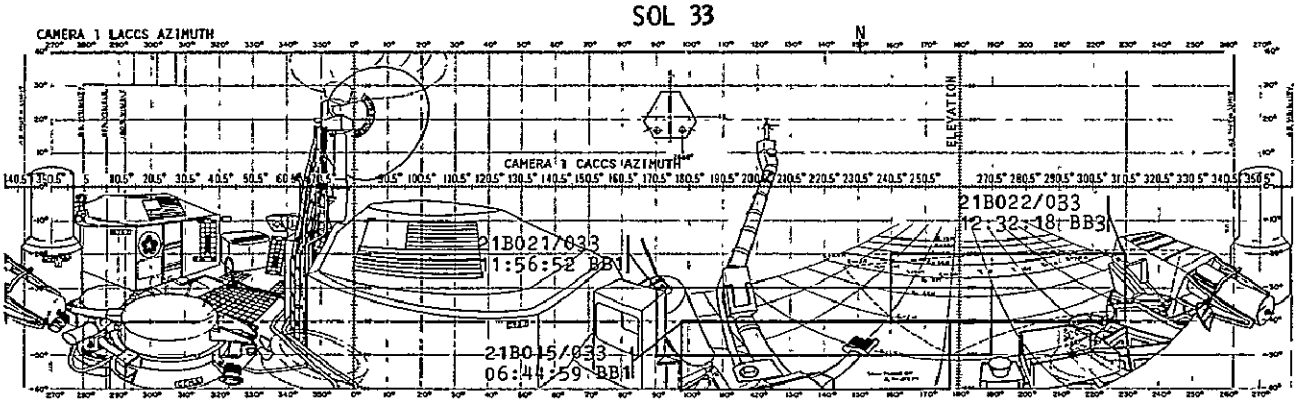


CAMERA 1 VIEW

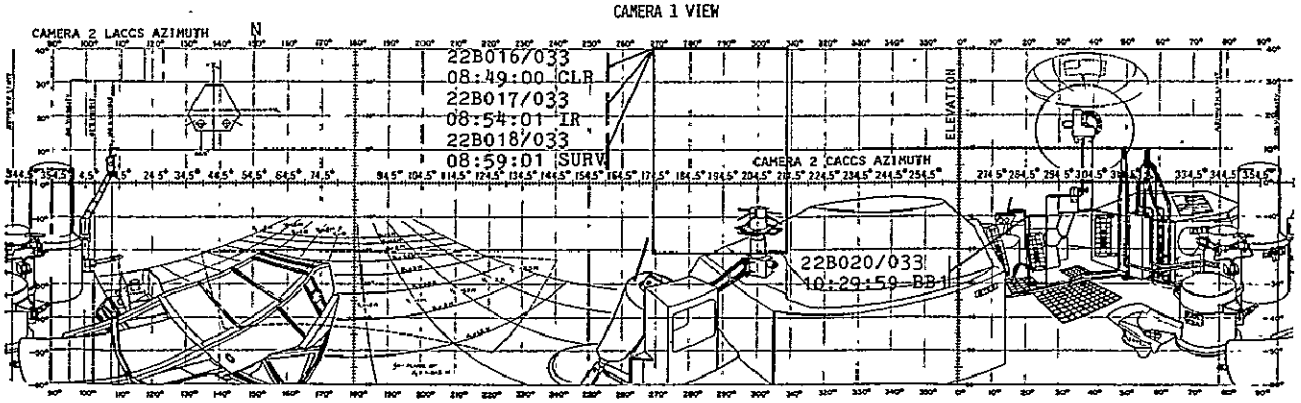


CAMERA 2 VIEW

SOL 33



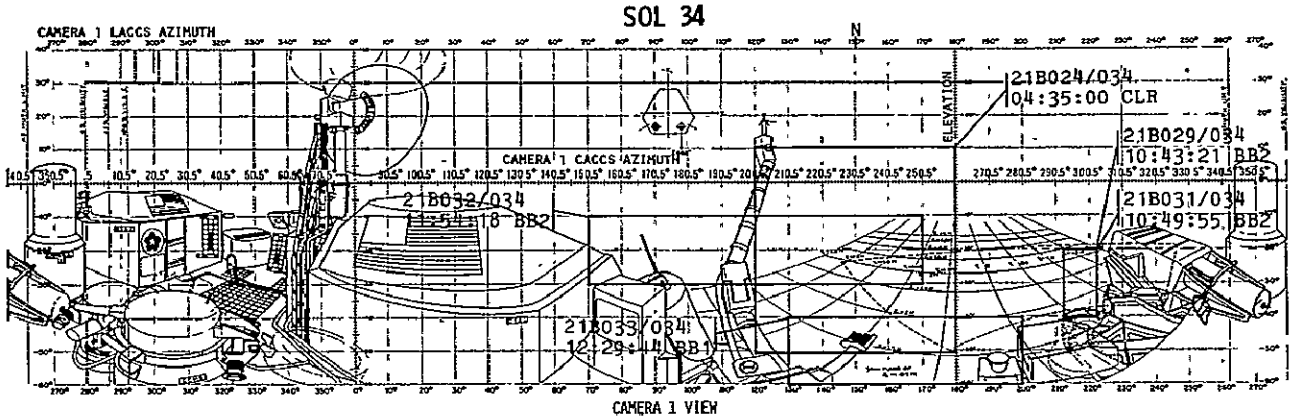
CAMERA 1 VIEW



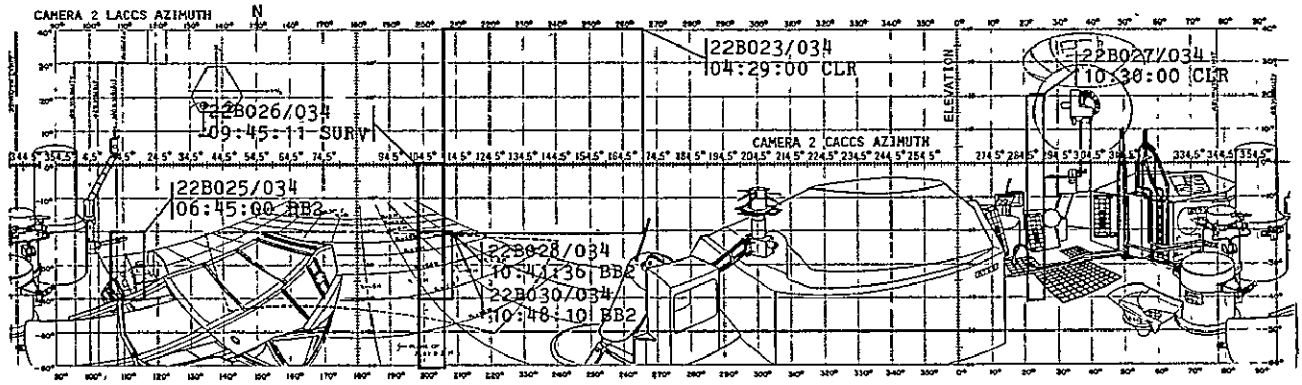
CAMERA 2 VIEW

VL-2

SOL 34

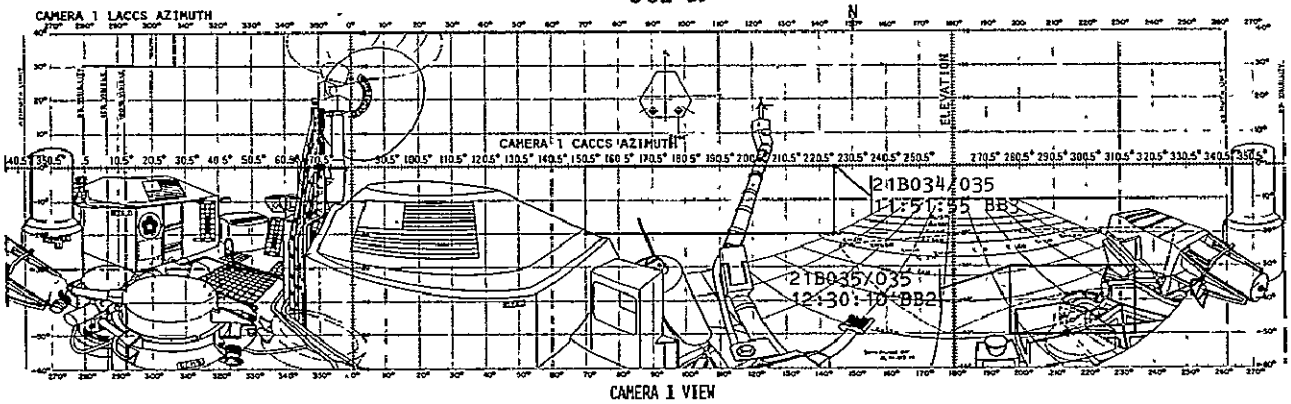


CAMERA 1 VIEW

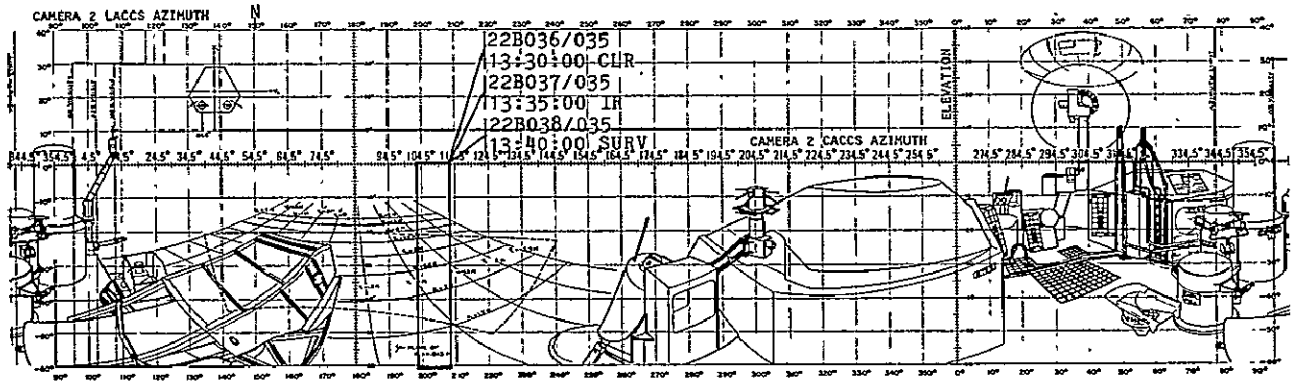


CAMERA 2 VIEW

SOL 35



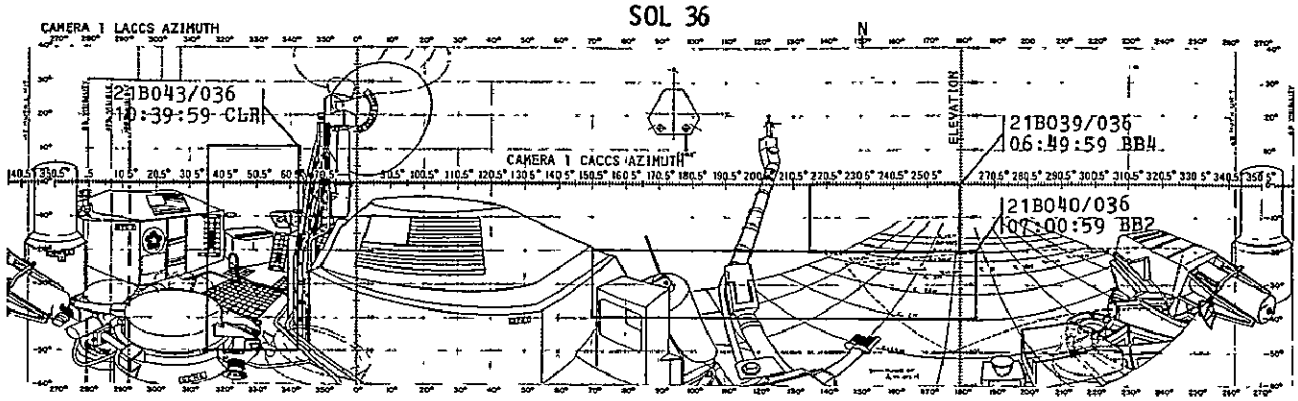
CAMERA 1 VIEW



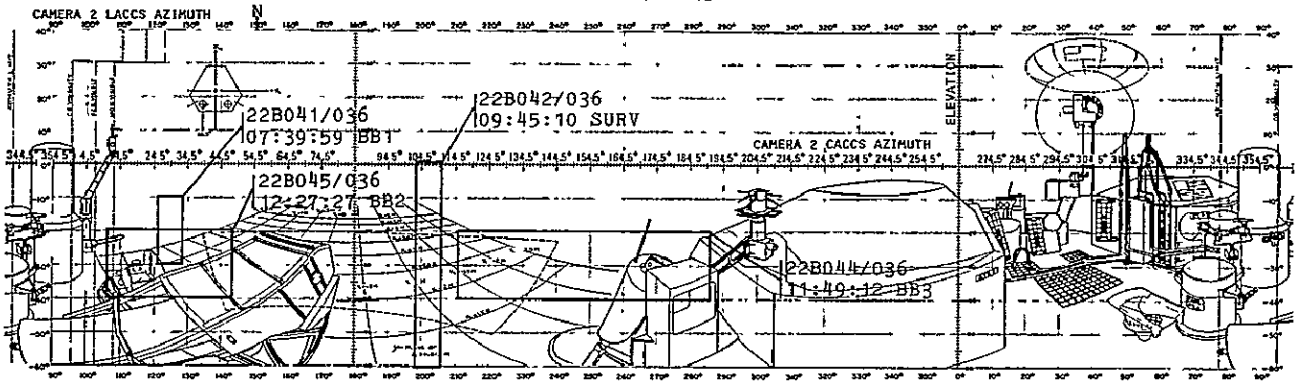
CAMERA 2 VIEW

VL-2

SOL 36

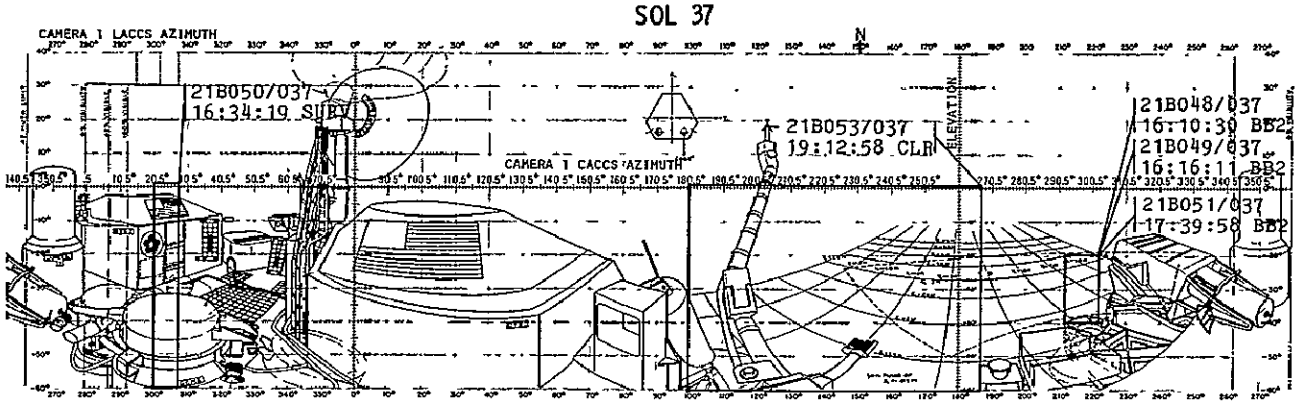


CAMERA 1 VIEW

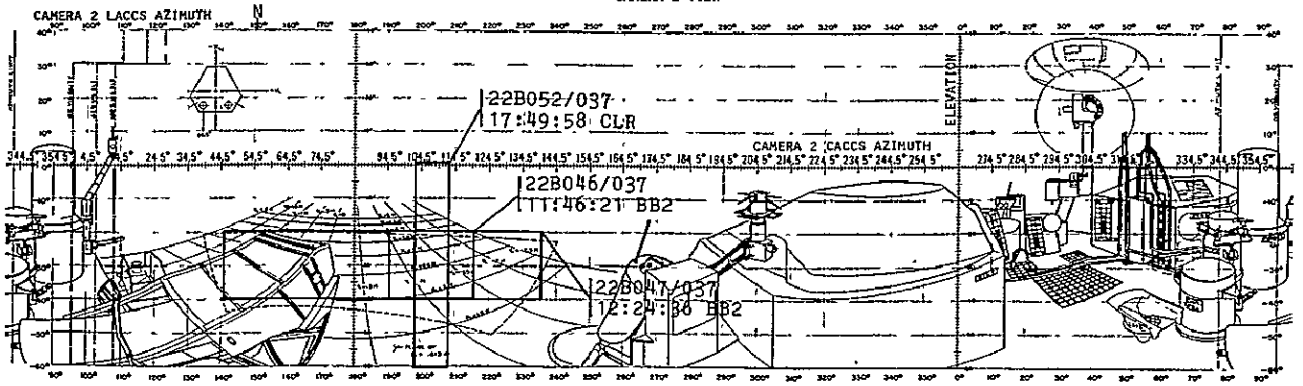


CAMERA 2 VIEW

SOL 37



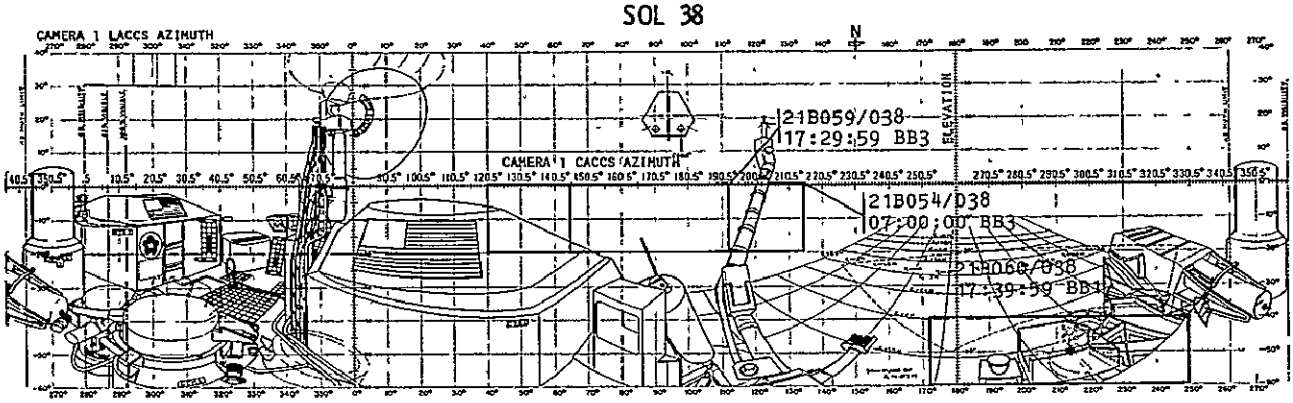
CAMERA 1 VIEW



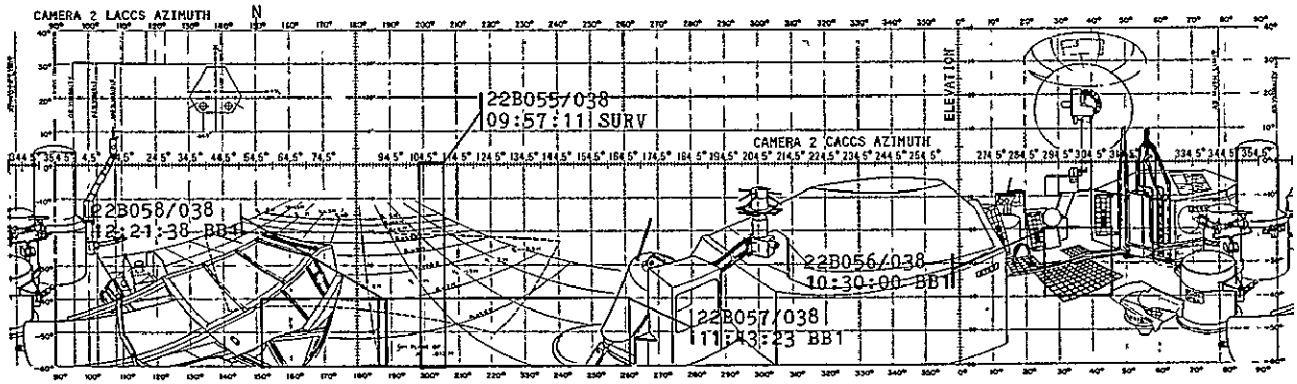
CAMERA 2 VIEW

VL-2

SOL 38

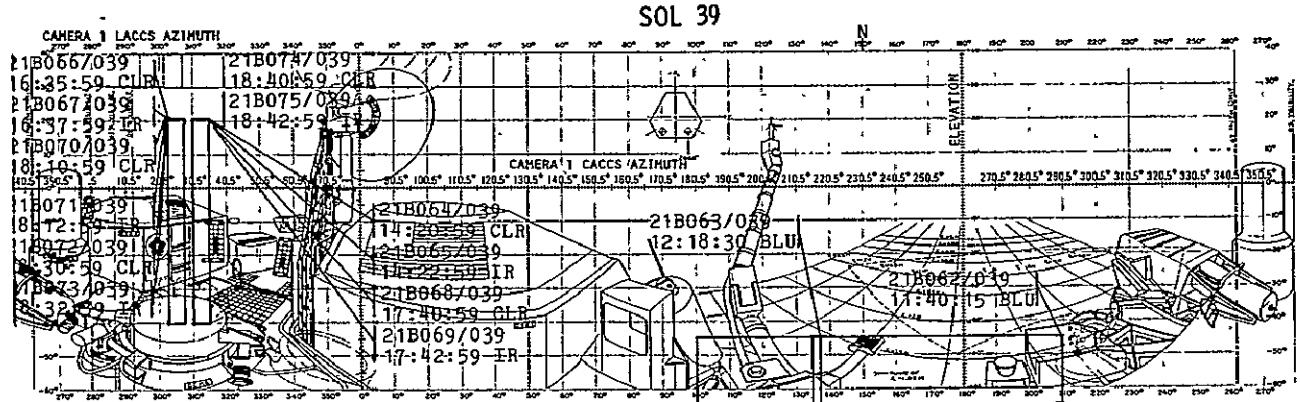


CAMERA 1 VIEW

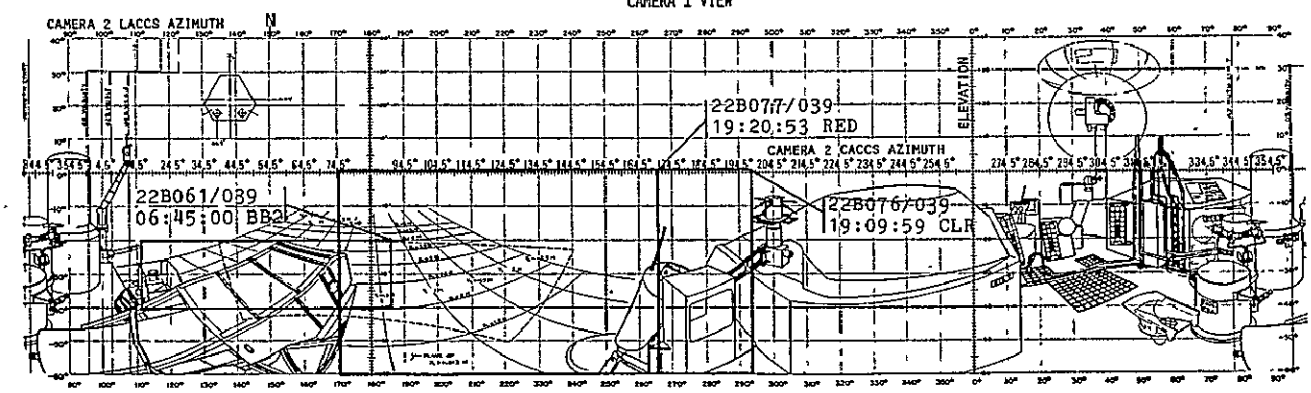


CAMERA 2 VIEW

SOL 39



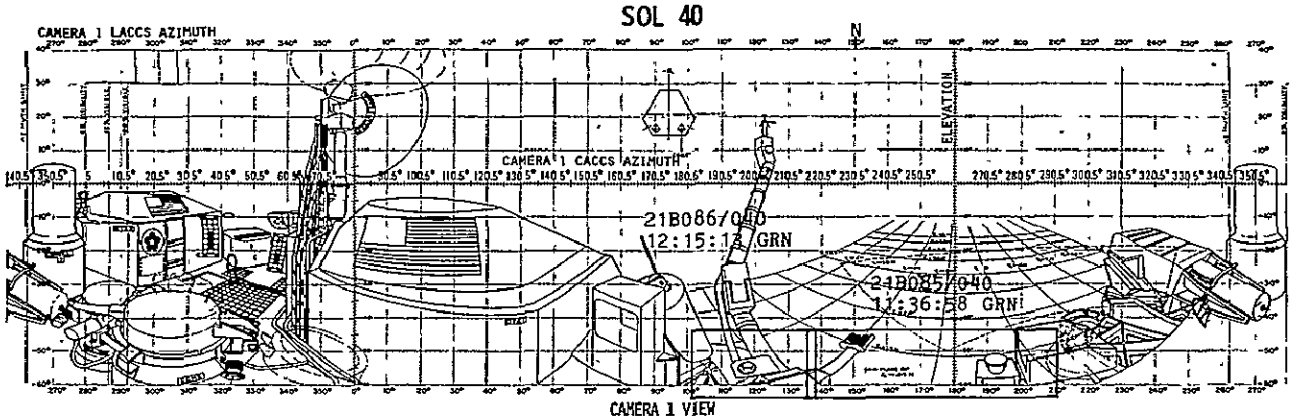
CAMERA 1 VIEW



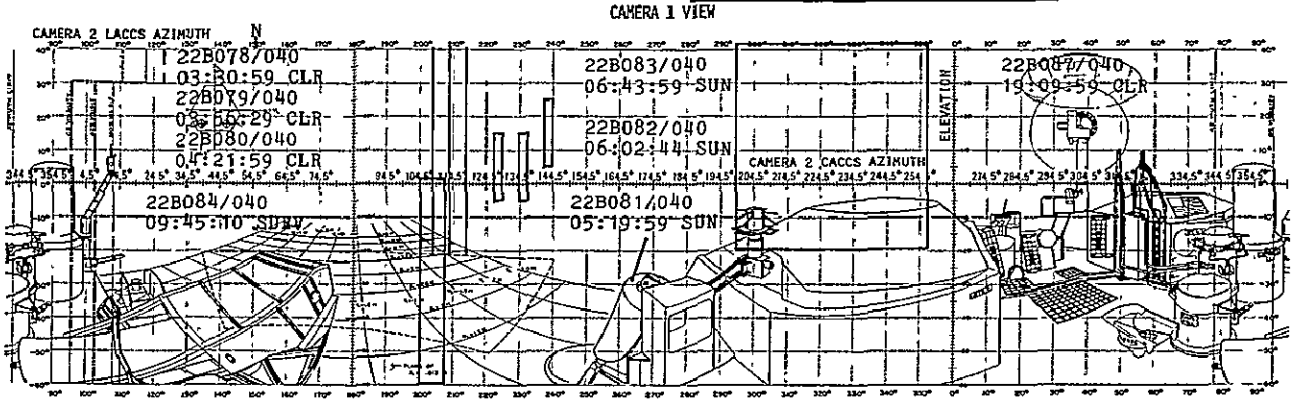
CAMERA 2 VIEW

VL-2

SOL 40

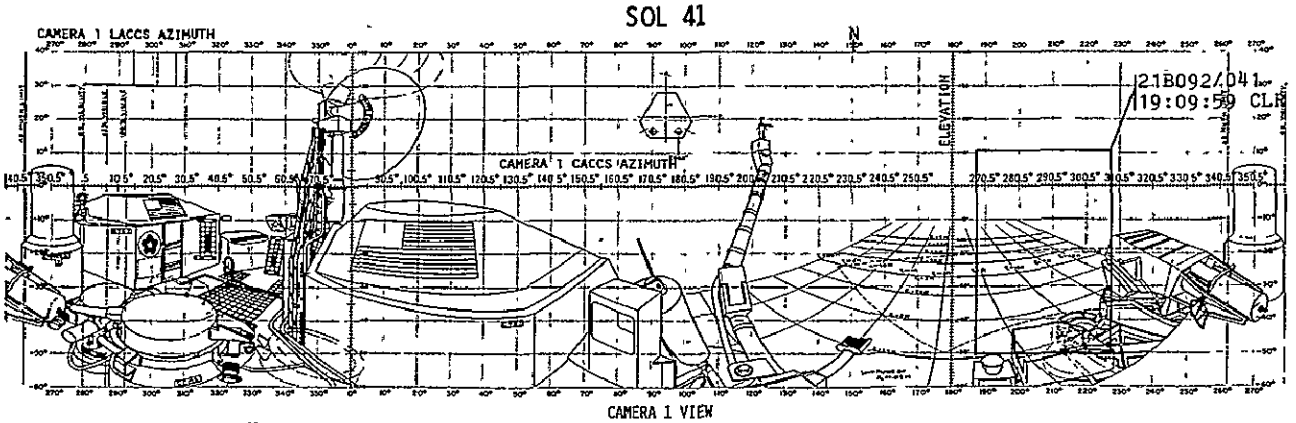


CAMERA 1 VIEW

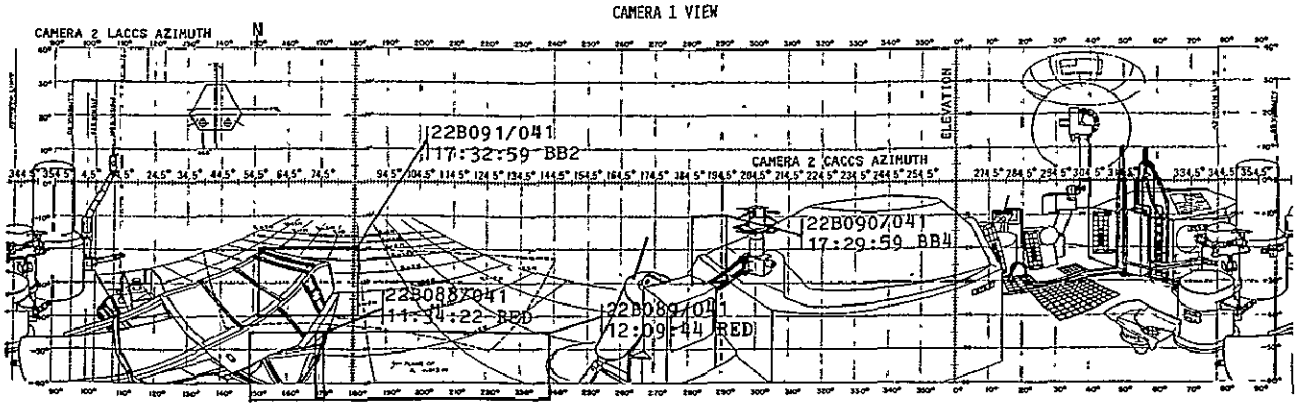


CAMERA 2 VIEW

SOL 41



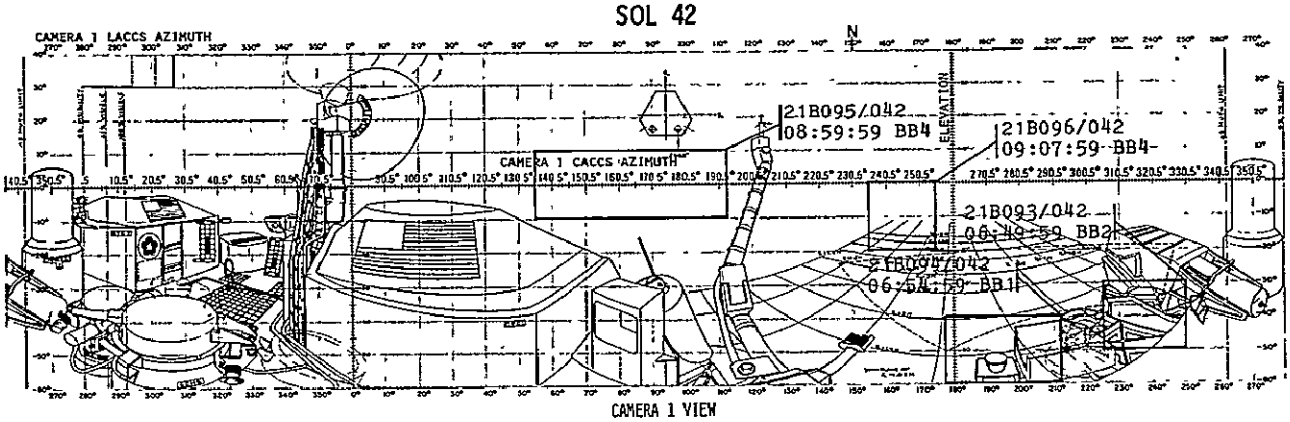
CAMERA 1 VIEW



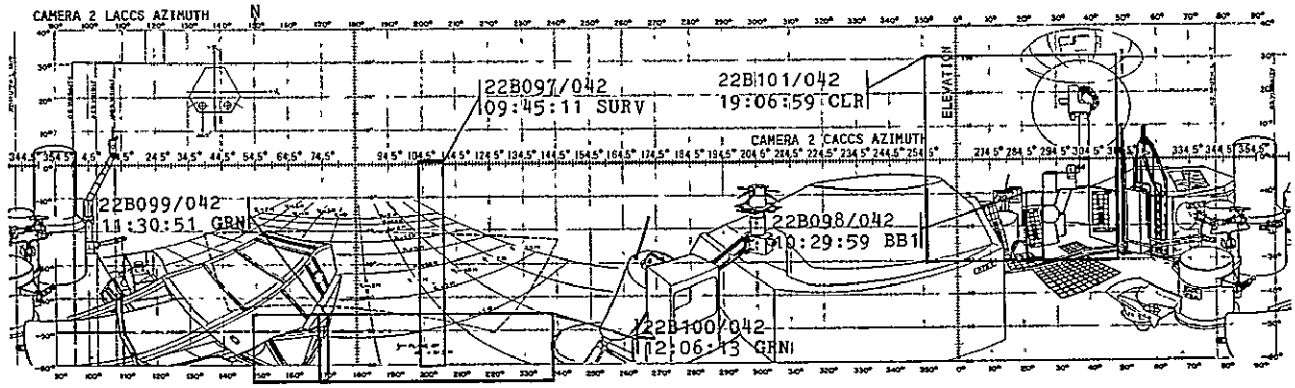
CAMERA 2 VIEW

VL-2

SOL 42

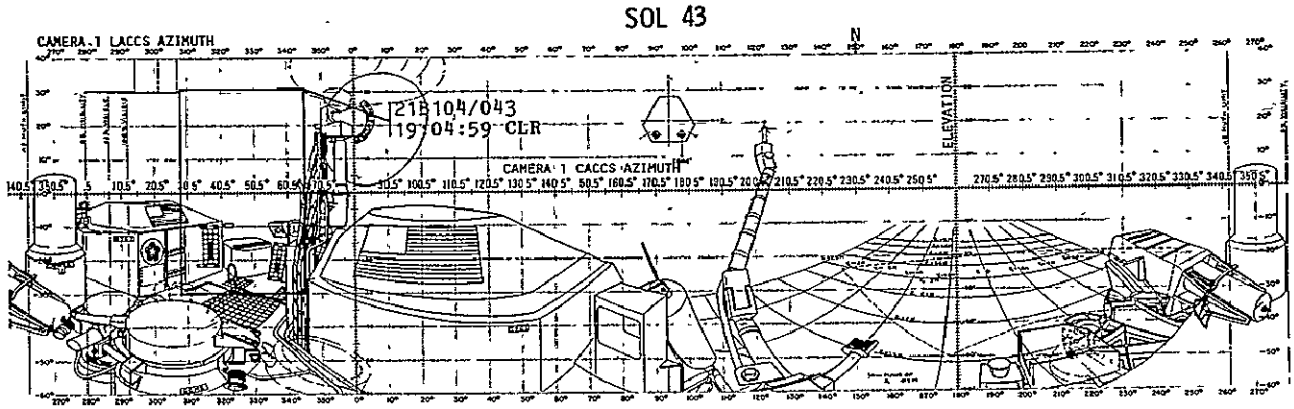


CAMERA 1 VIEW

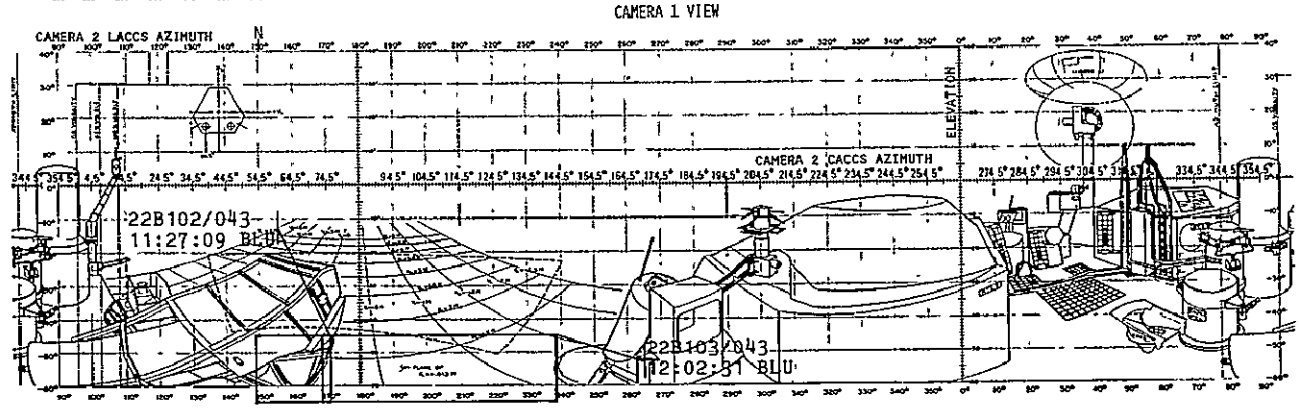


CAMERA 2 VIEW

SOL 43



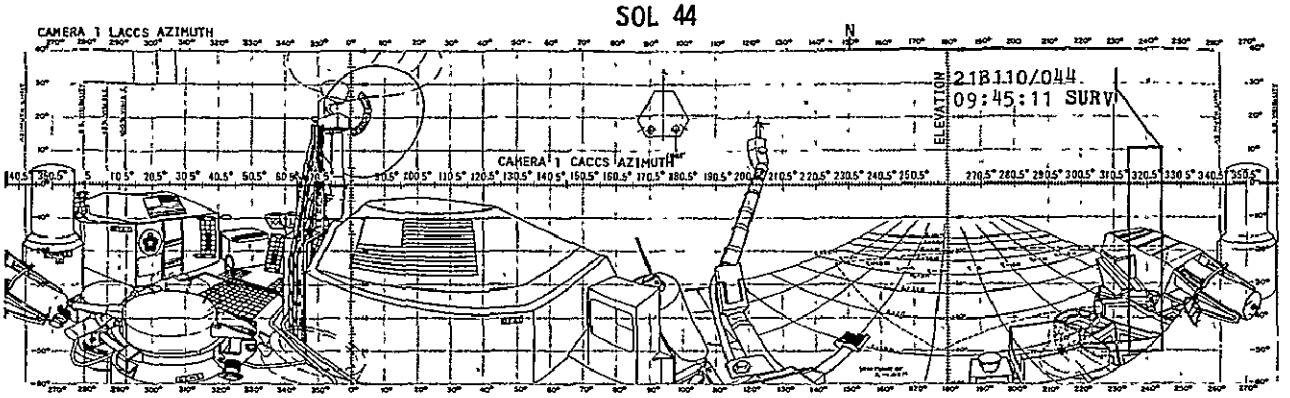
CAMERA 1 VIEW



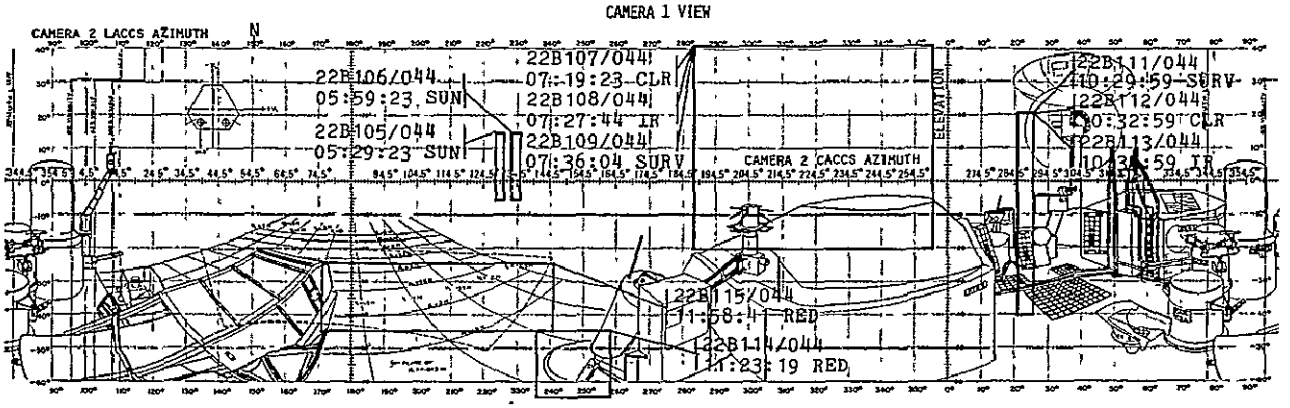
CAMERA 2 VIEW

VL-2

SOL 44

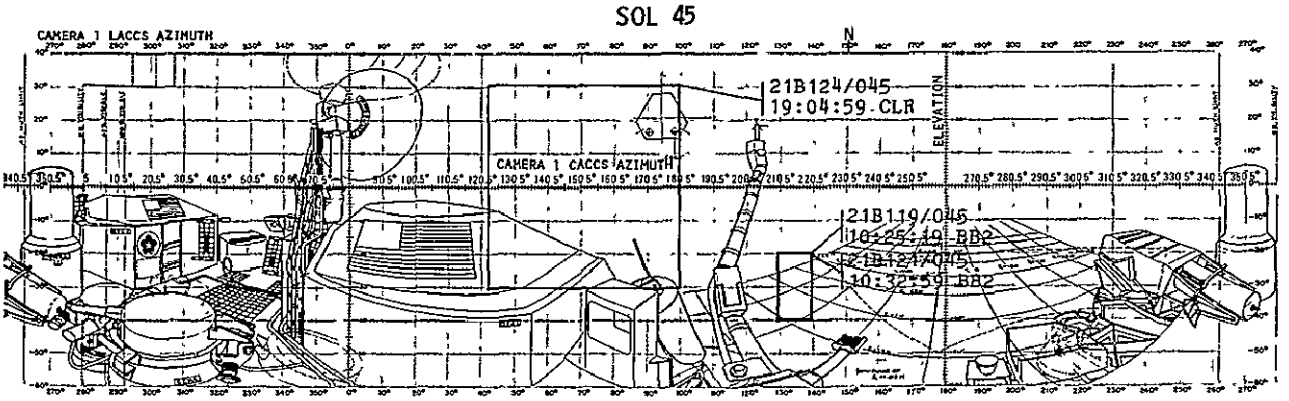


CAMERA 1 VIEW

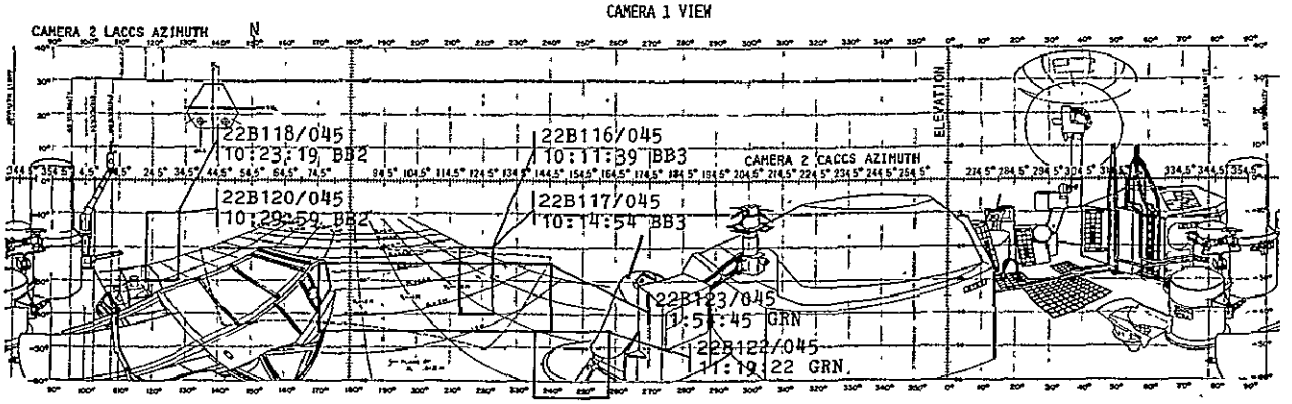


CAMERA 2 VIEW

SOL 45



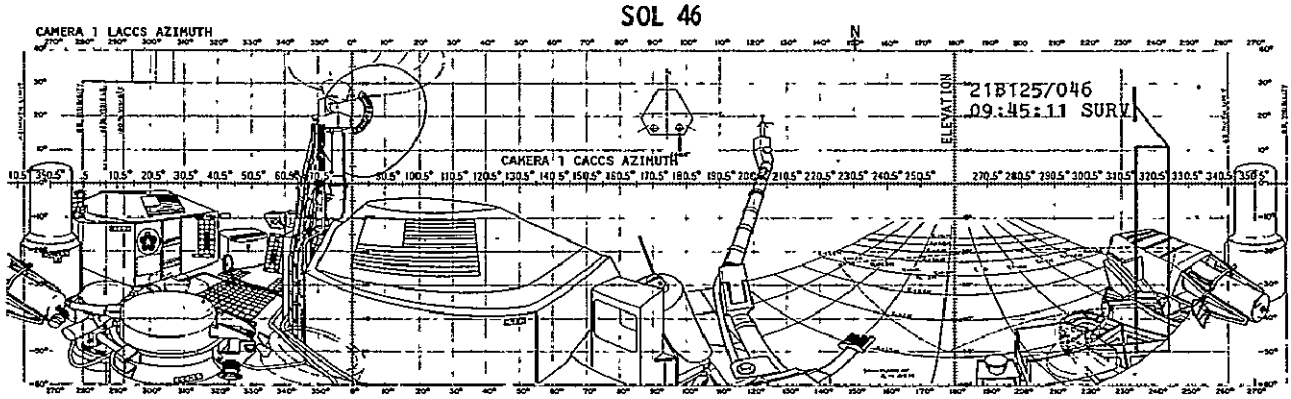
CAMERA 1 VIEW



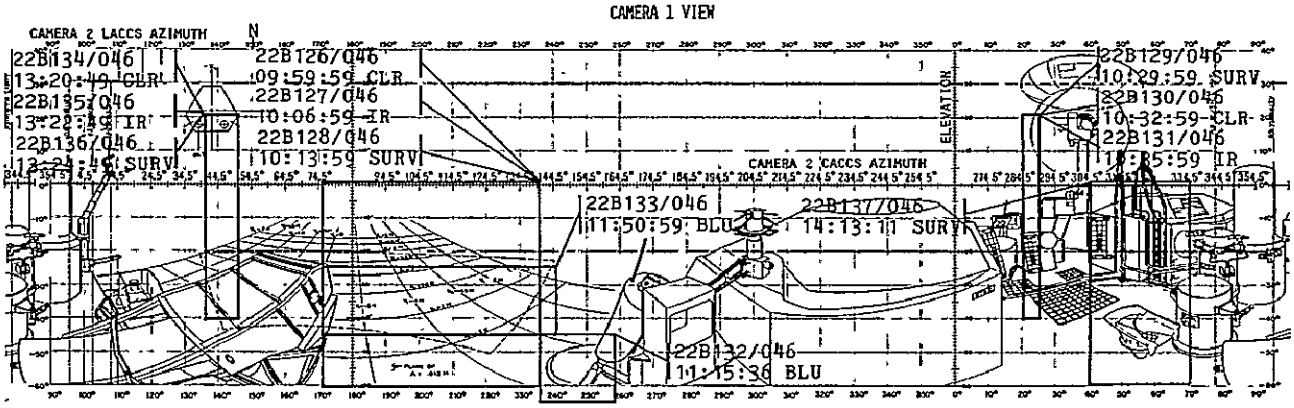
CAMERA 2 VIEW

VL-2

SOL 46

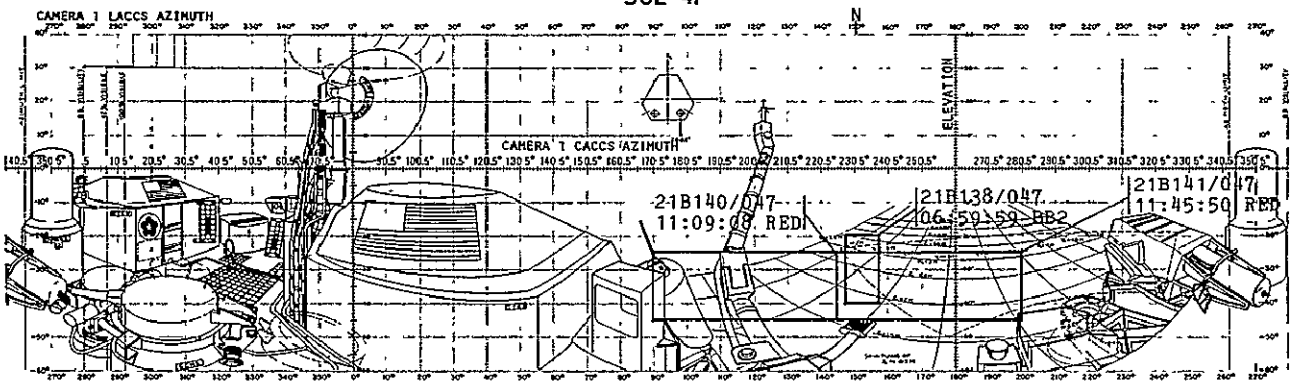


CAMERA 1 VIEW

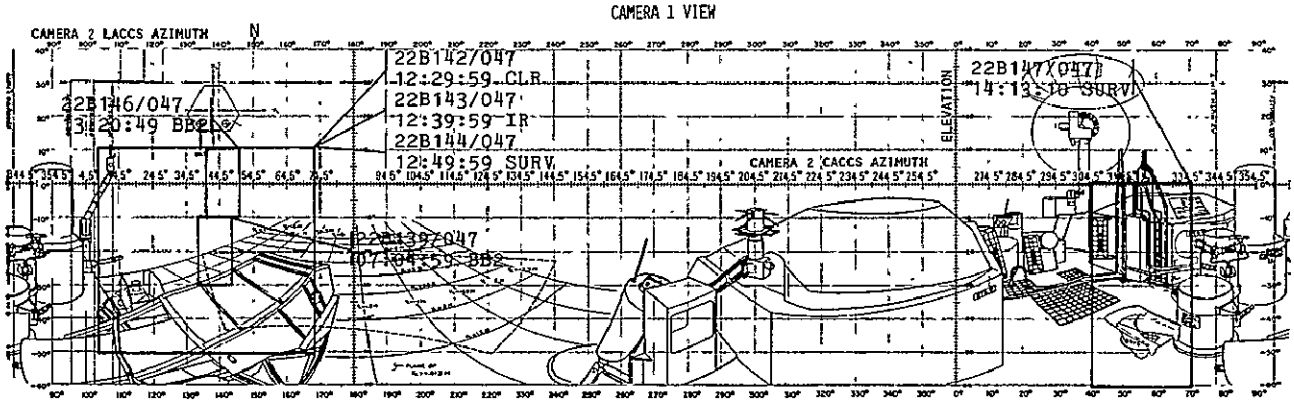


CAMERA 2 VIEW

SOL 47



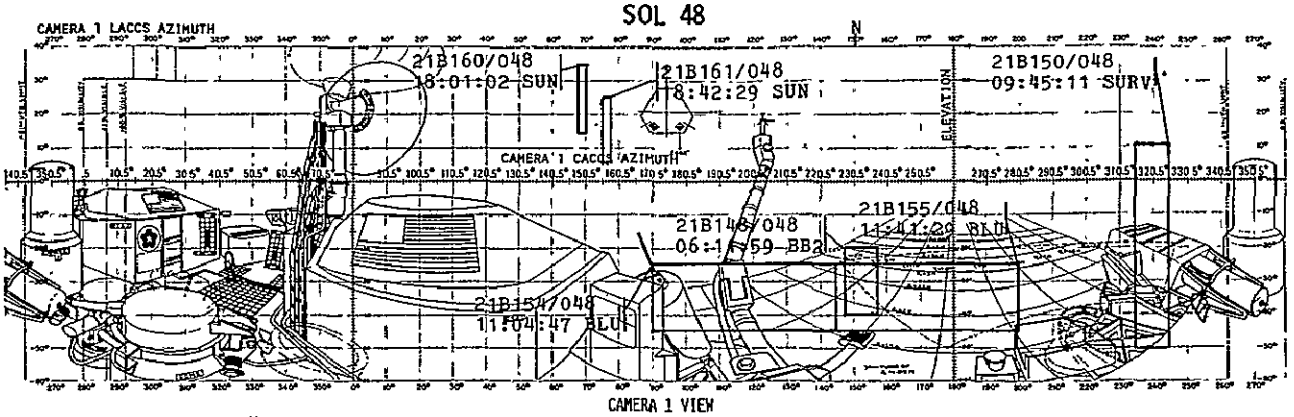
CAMERA 1 VIEW



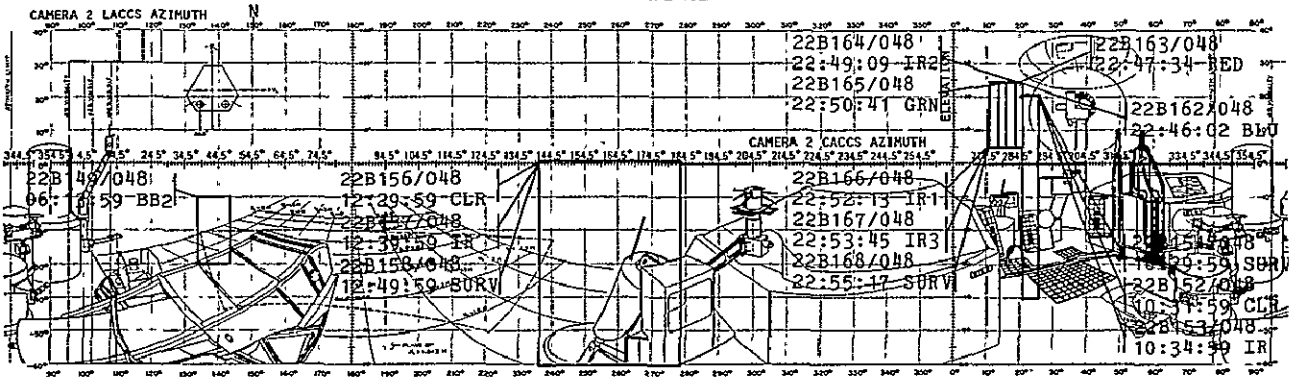
CAMERA 2 VIEW

VL-2

SOL 48

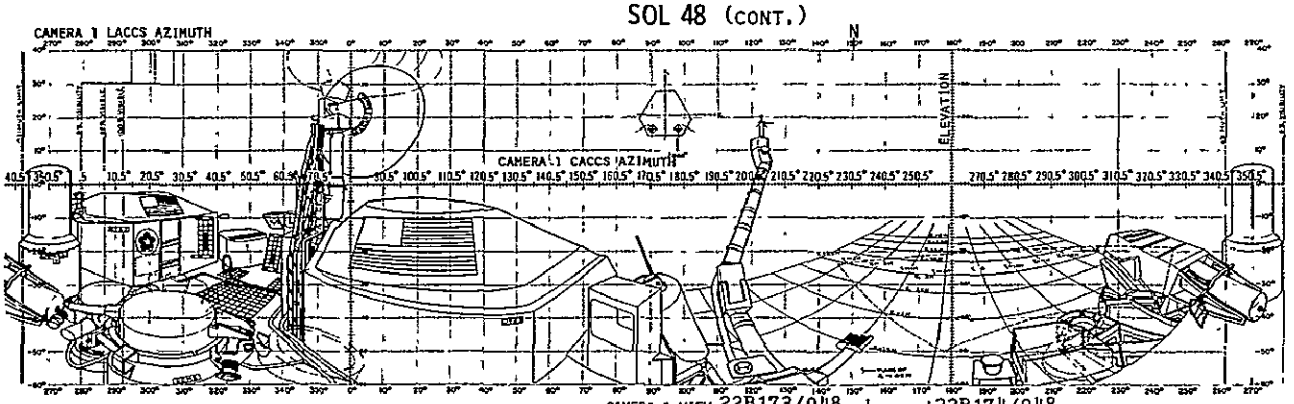


CAMERA 1 VIEW

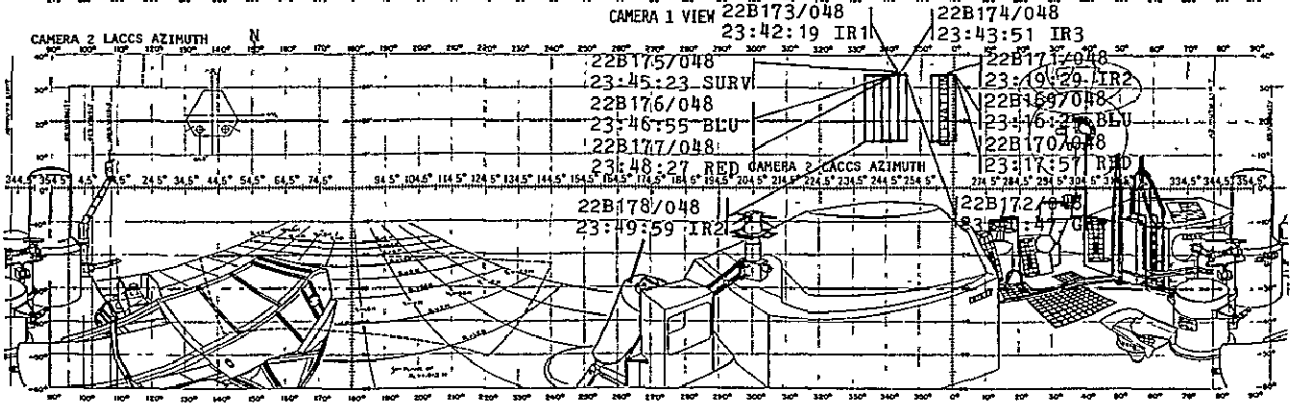


CAMERA 2 VIEW

SOL 48 (CONT.)

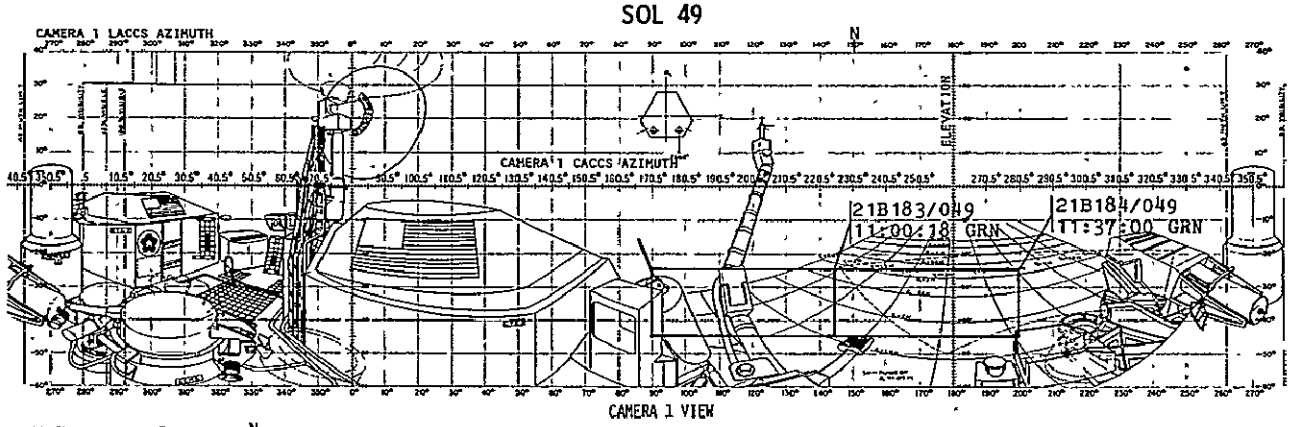


CAMERA 1 VIEW

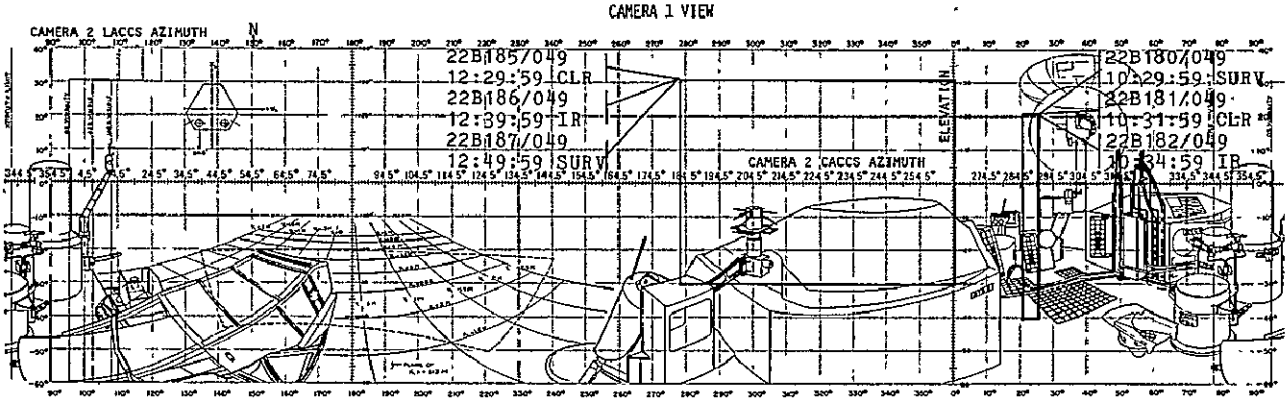


CAMERA 2 VIEW

VL-2
SOL 49

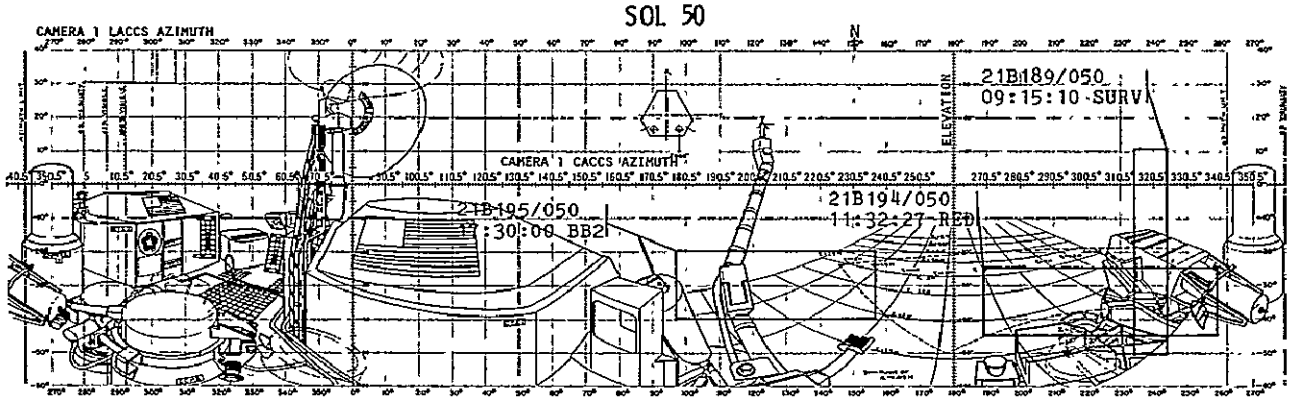


CAMERA 1 VIEW

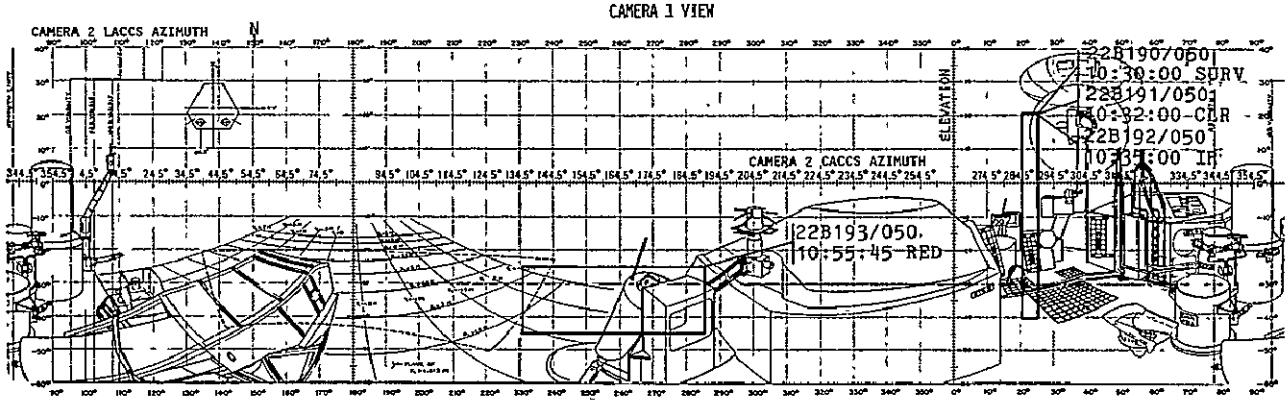


CAMERA 2 VIEW

SOL 50



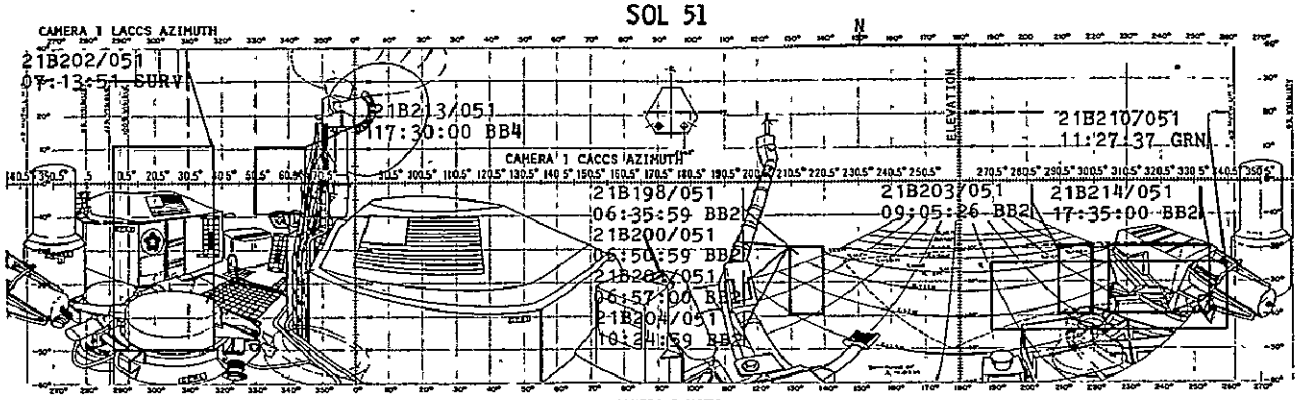
CAMERA 1 VIEW



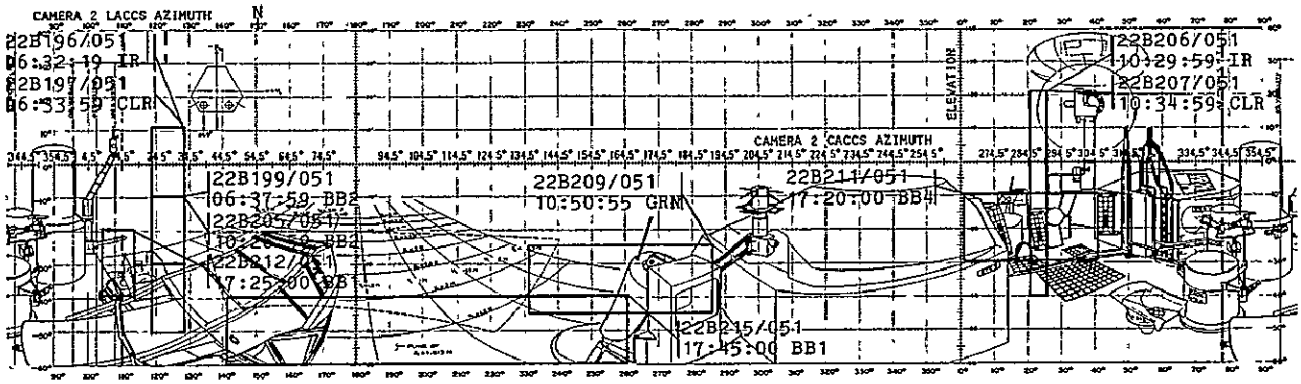
CAMERA 2 VIEW

VL-2

SOL 51

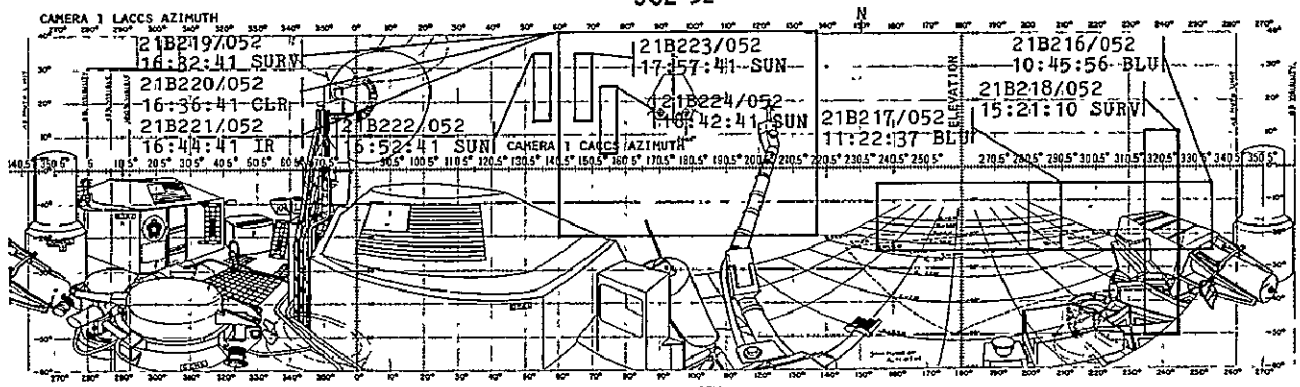


CAMERA 1 VIEW

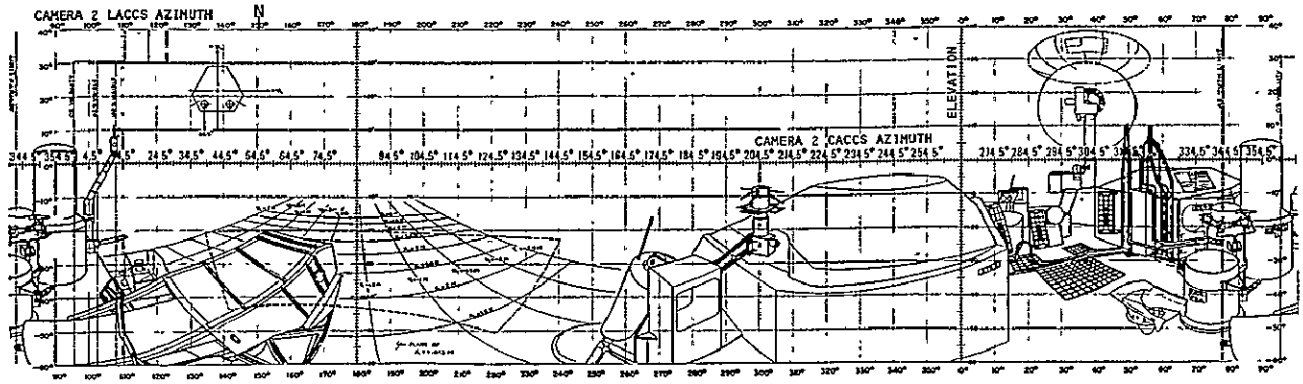


CAMERA 2 VIEW

SOL 52



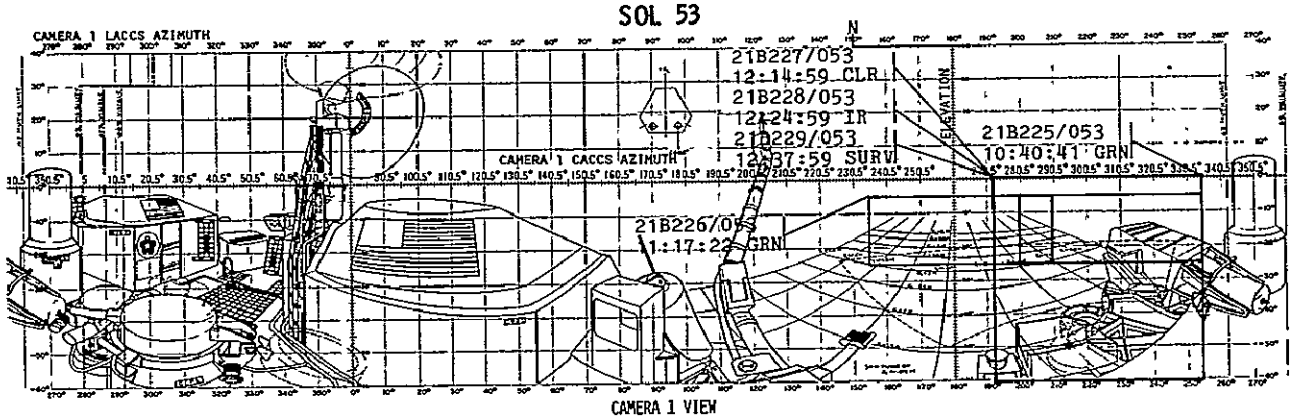
CAMERA 1 VIEW



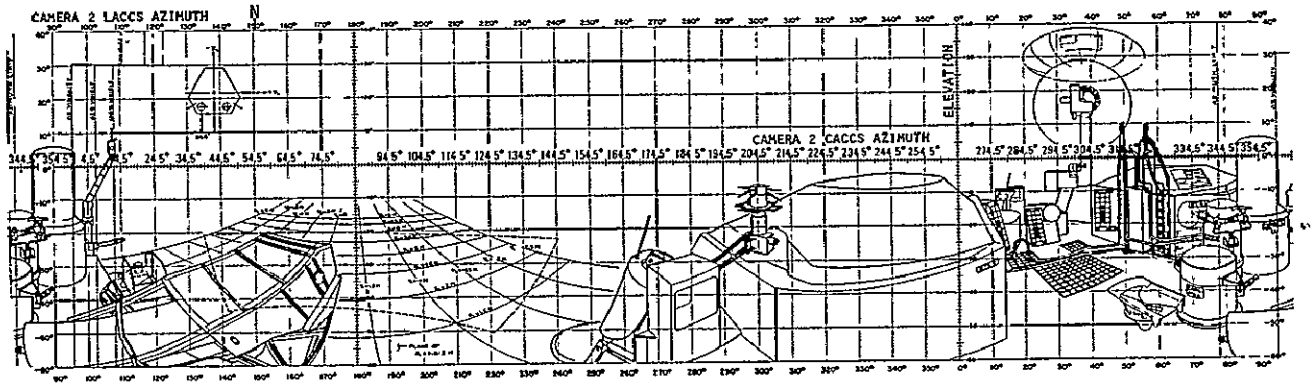
CAMERA 2 VIEW

VL-2

SOL 53

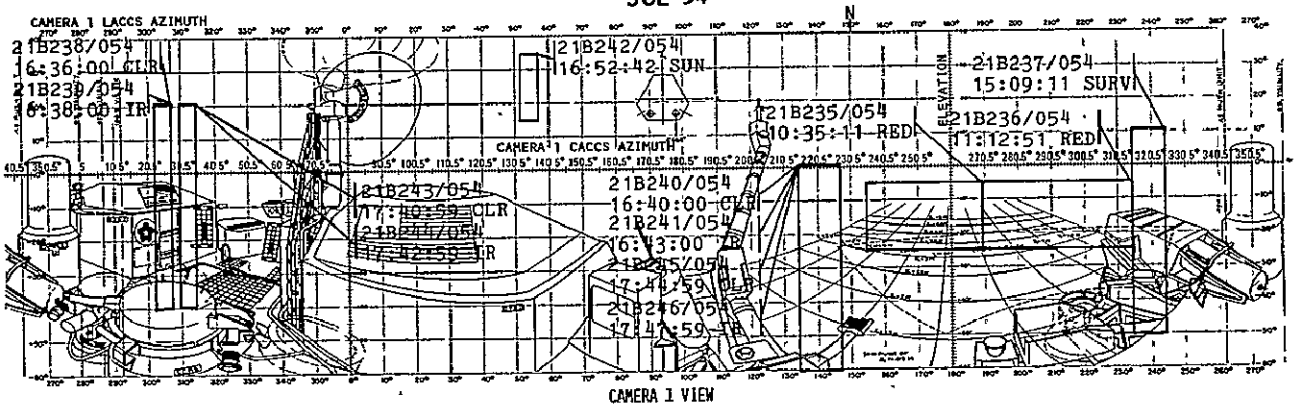


CAMERA 1 VIEW

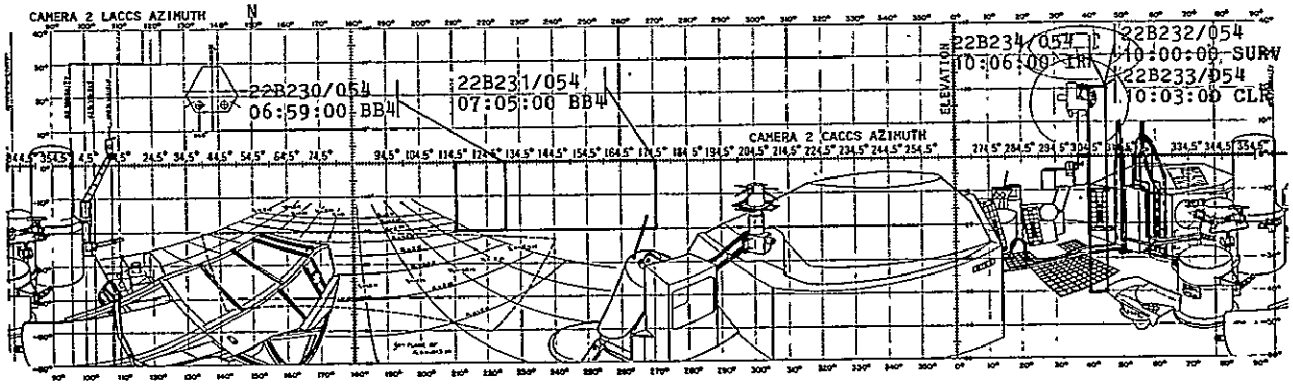


CAMERA 2 VIEW

SOL 54



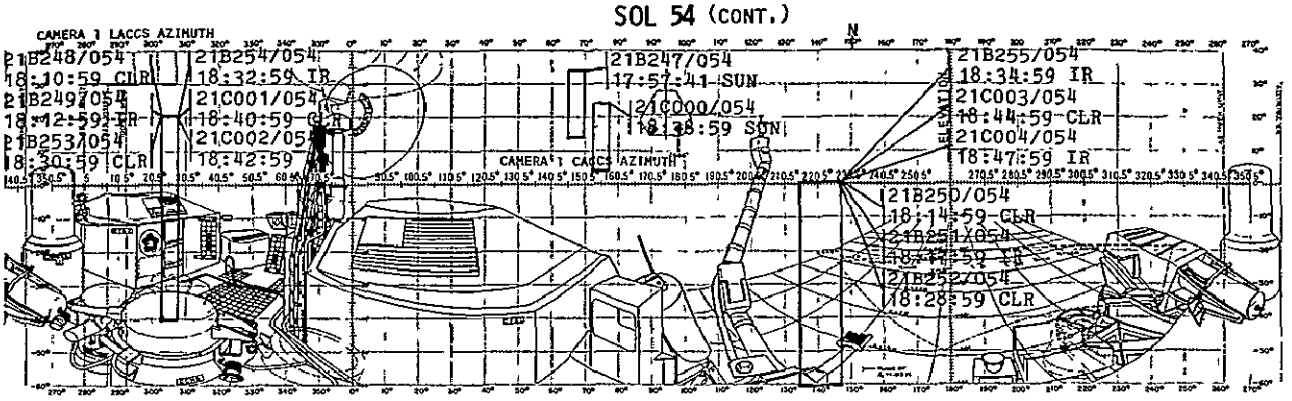
CAMERA 1 VIEW



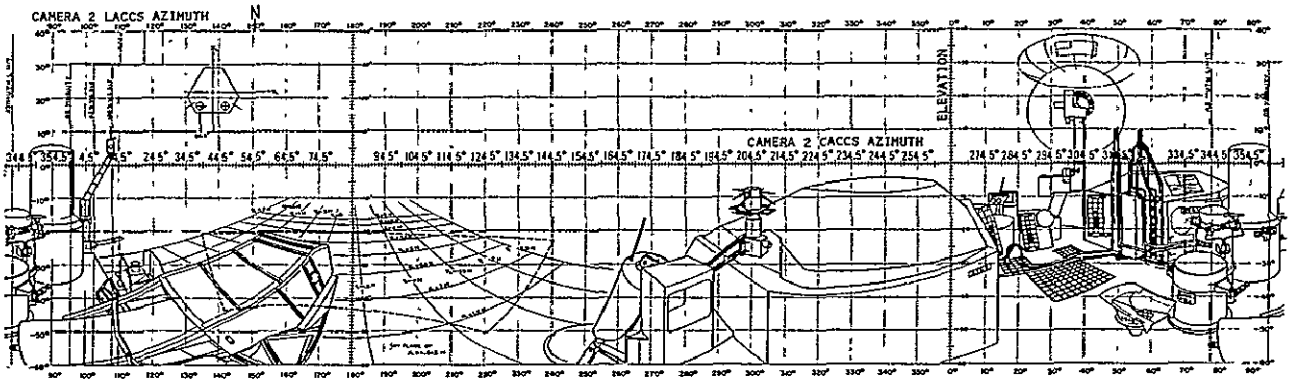
CAMERA 2 VIEW

VL-2

SOL 54 (CONT.)

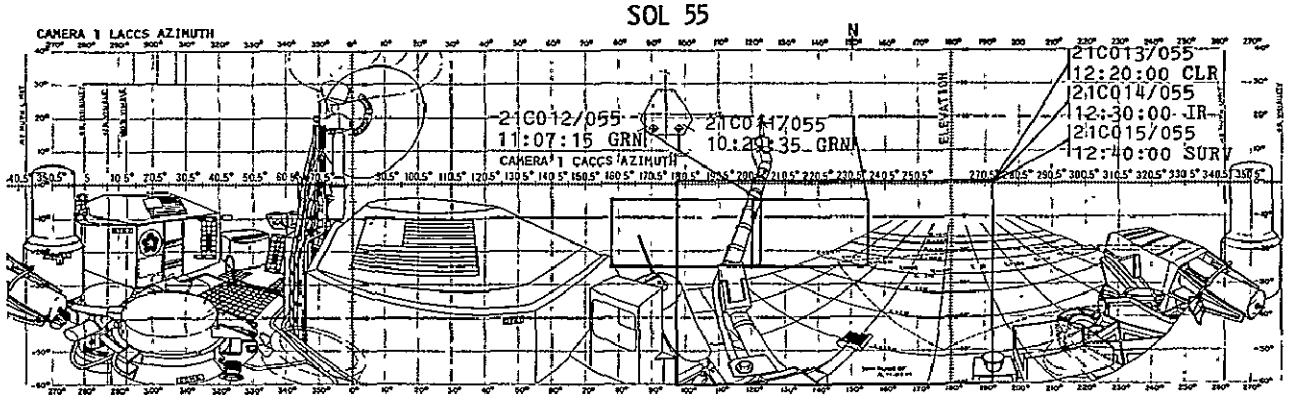


CAMERA 1 VIEW

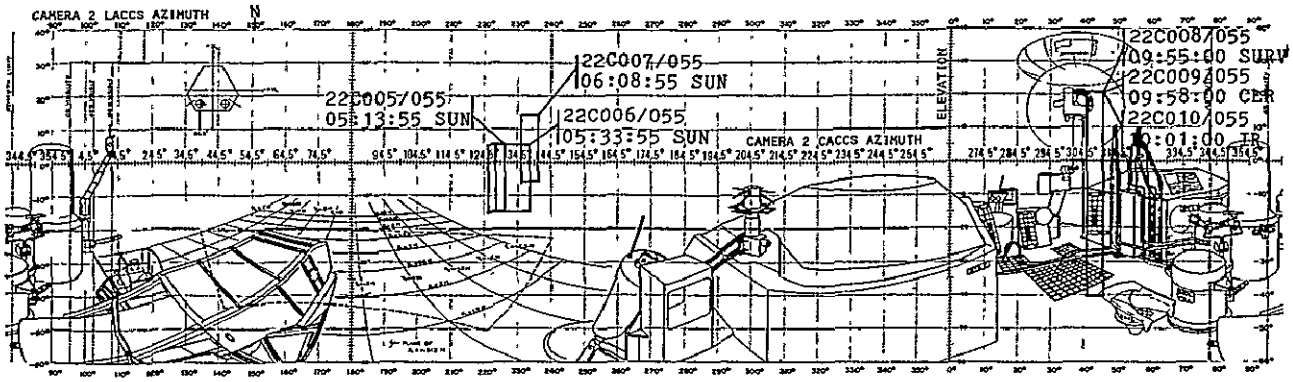


CAMERA 2 VIEW

SOL 55



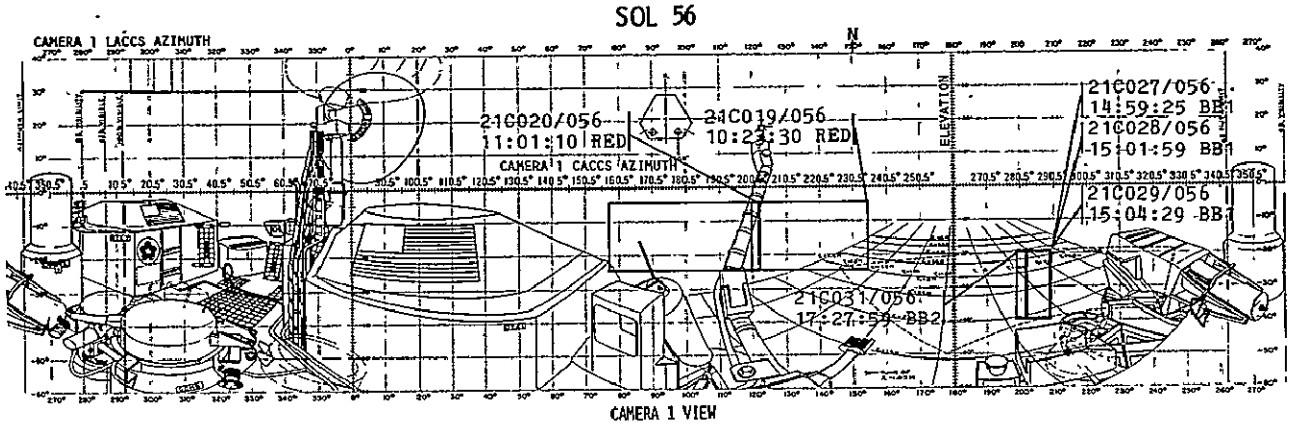
CAMERA 1 VIEW



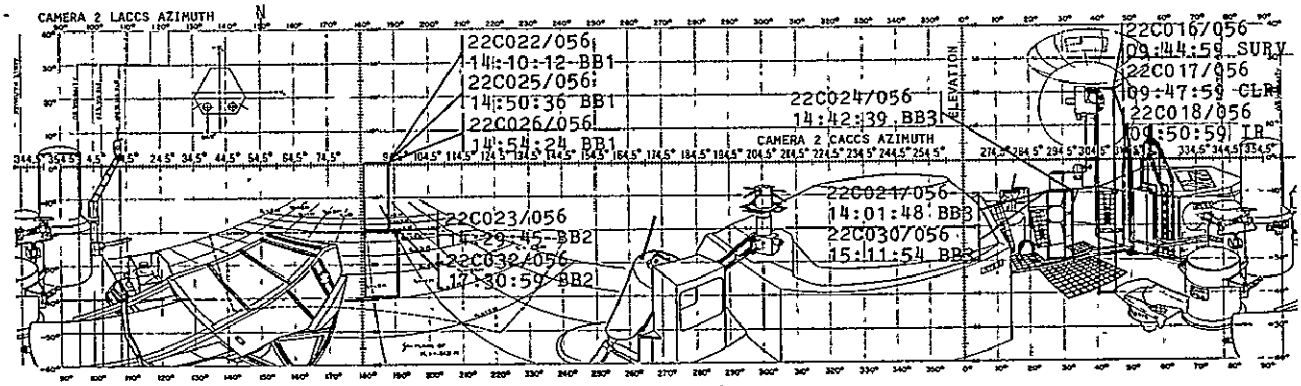
CAMERA 2 VIEW

VL-2

SOL 56

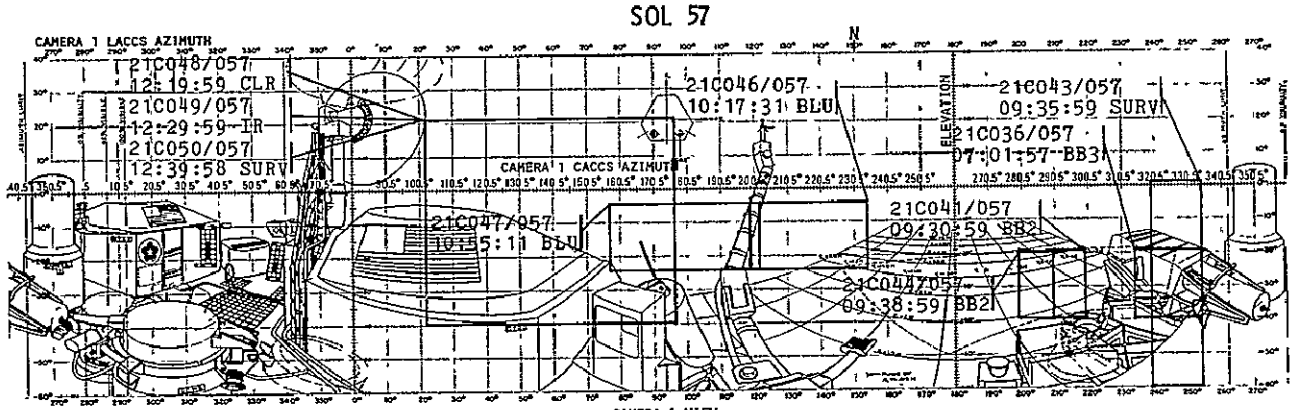


CAMERA 1 VIEW

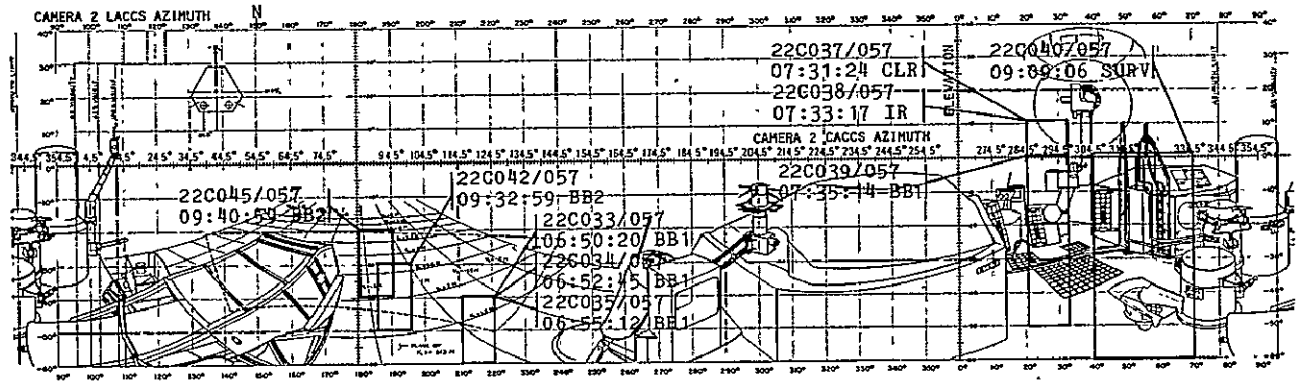


CAMERA 2 VIEW

SOL 57



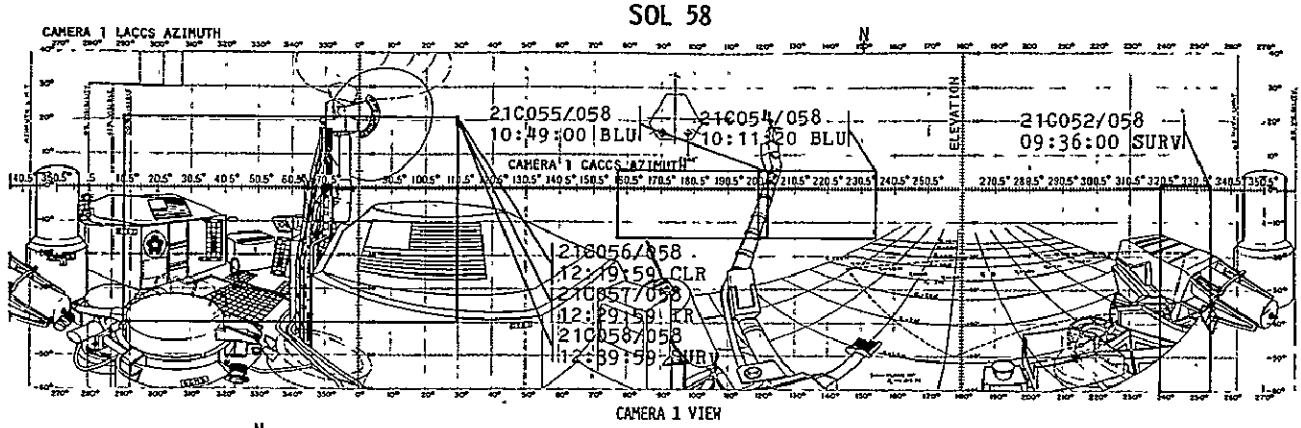
CAMERA 1 VIEW



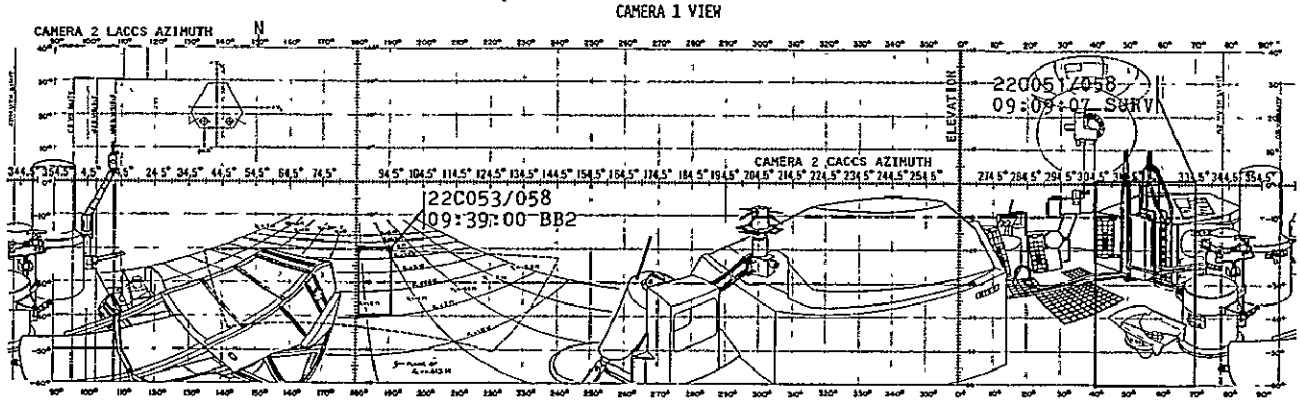
CAMERA 2 VIEW

VL-2

SOL 58

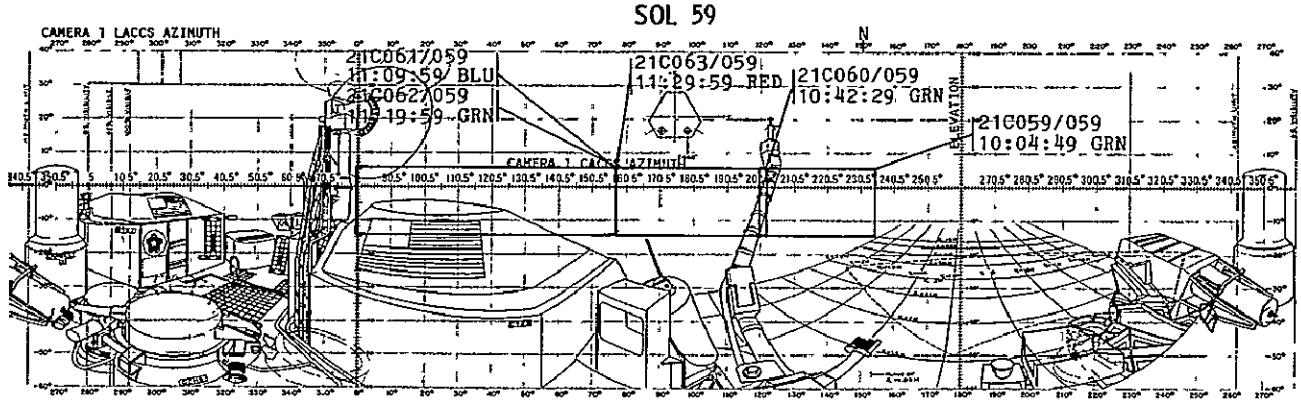


CAMERA 1 VIEW

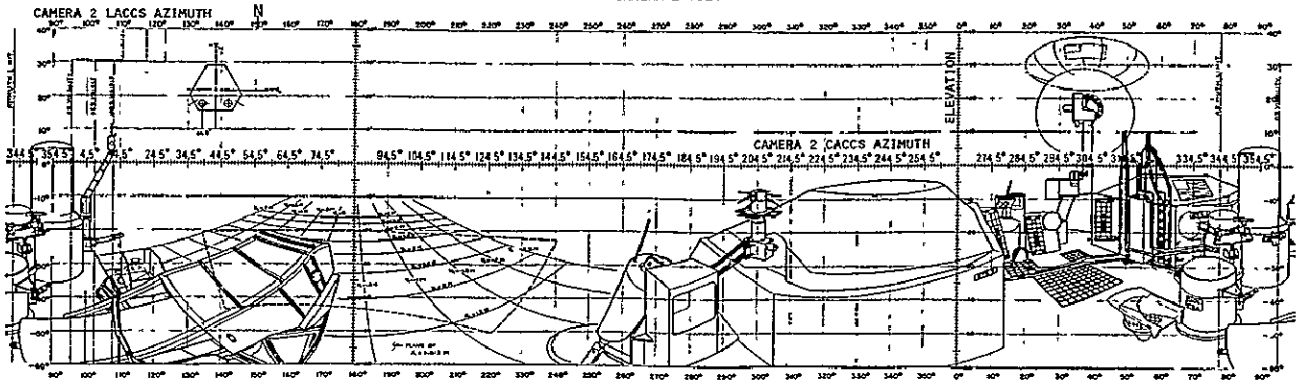


CAMERA 2 VIEW

SOL 59



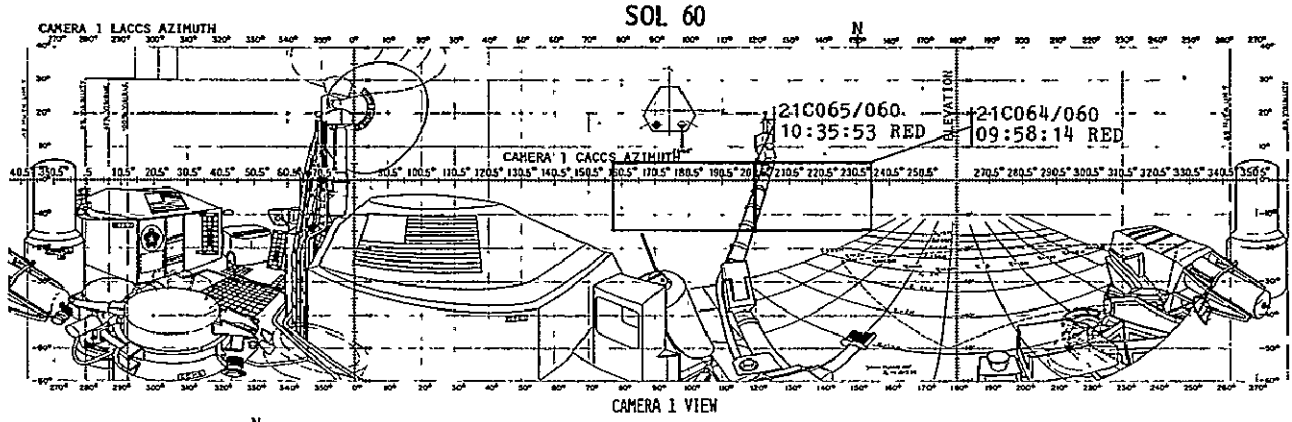
CAMERA 1 VIEW



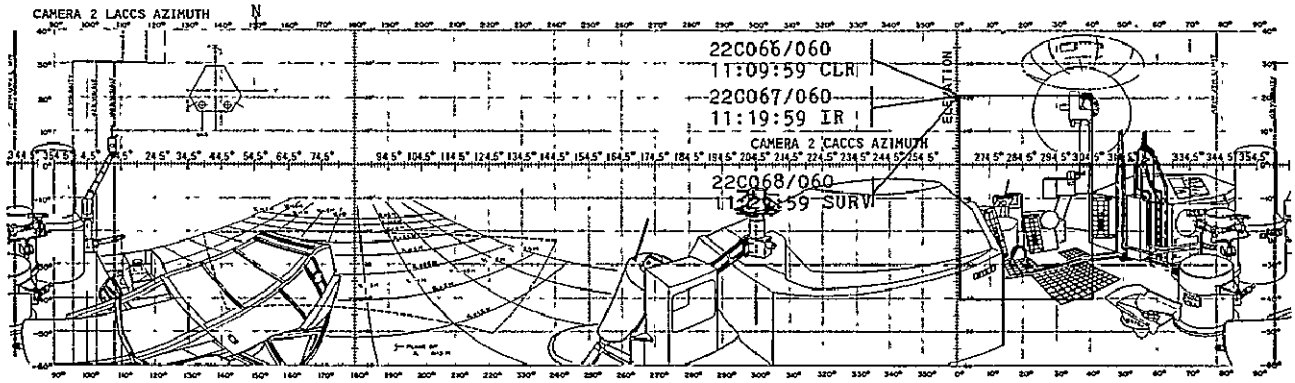
CAMERA 2 VIEW

VL-2

SOL 60

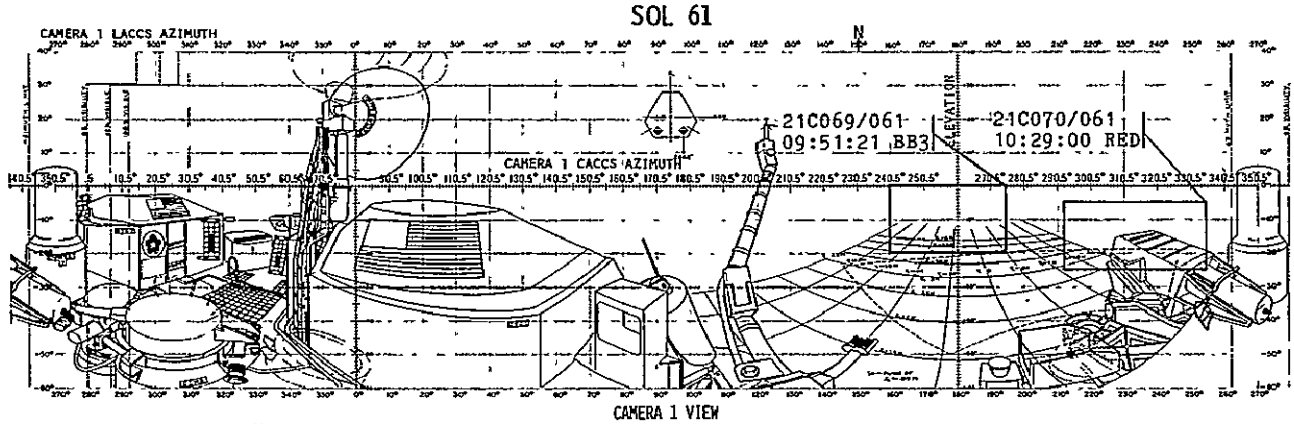


CAMERA 1 VIEW

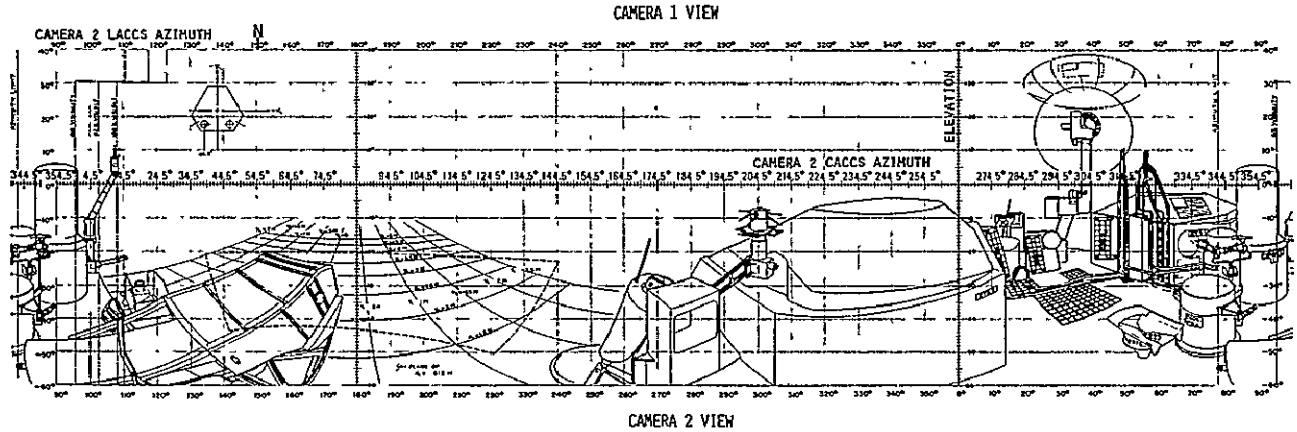


CAMERA 2 VIEW

SOL 61



CAMERA 1 VIEW



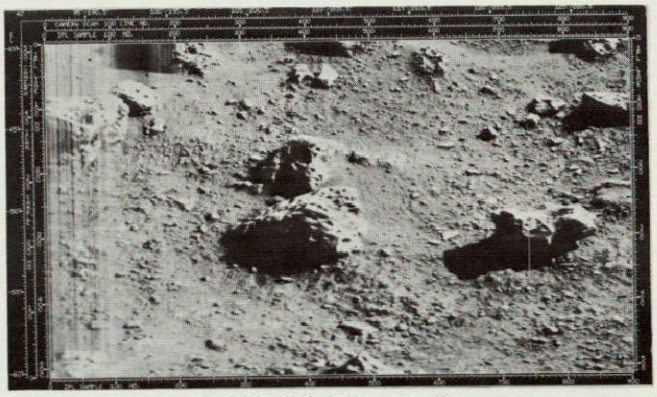
CAMERA 2 VIEW

VL-2 EDR IMAGES

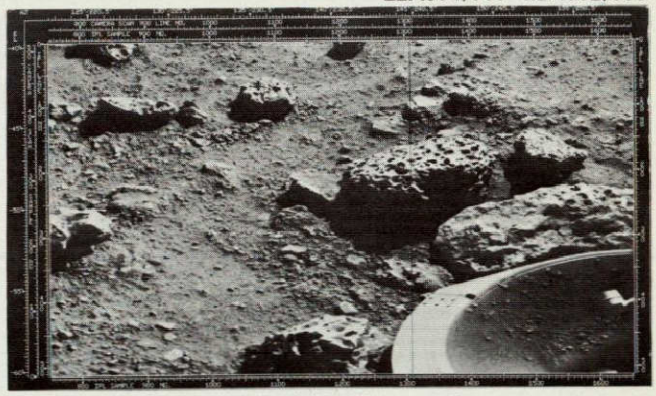
VL-2 EDR IMAGES

This section contains the experiment data record images for VL-2. The format for these image displays is described in the section "Viking Lander Experiment Data Record Images for Primary Mission."

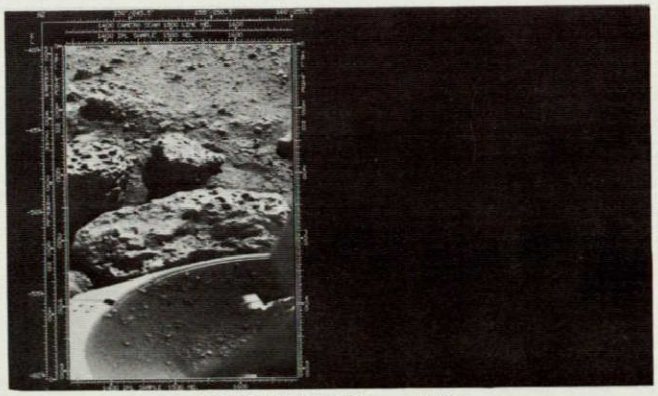
22A001/000–22A002/000



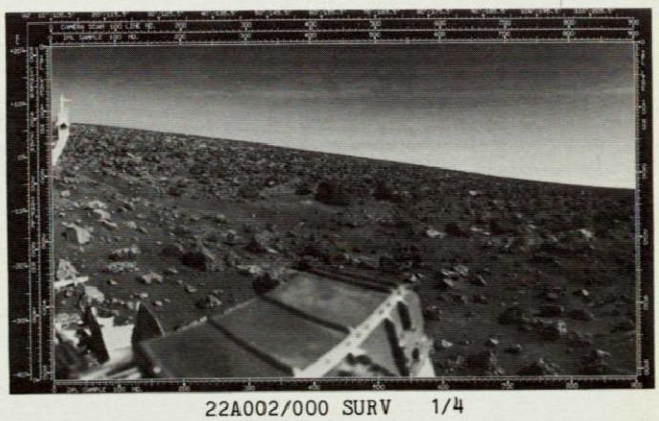
22A001/000 BB1 1/3



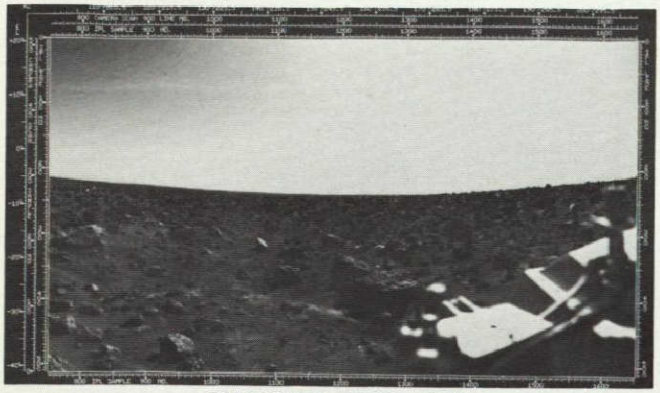
22A001/000 BB1 2/3



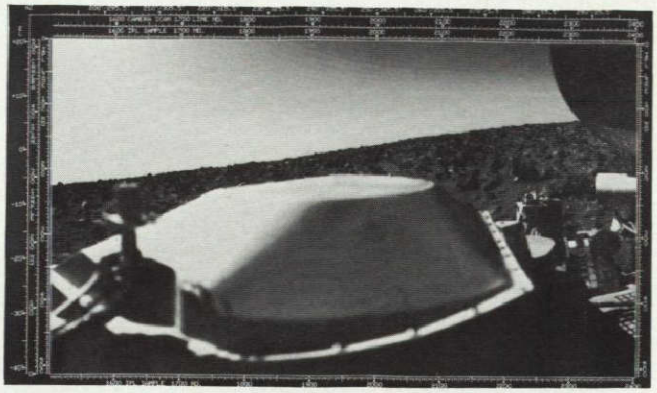
22A001/000 BB1 3/3



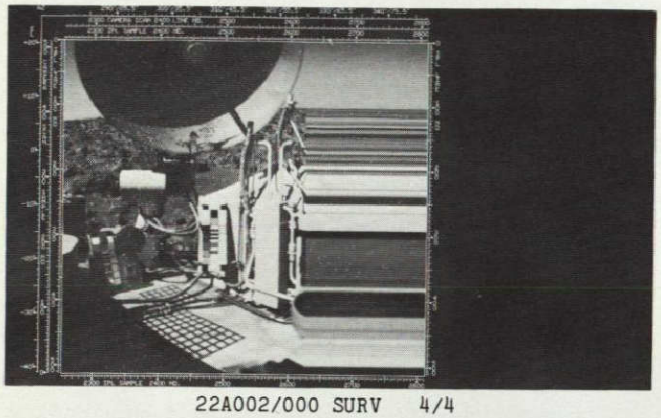
22A002/000 SURV 1/4



22A002/000 SURV 2/4

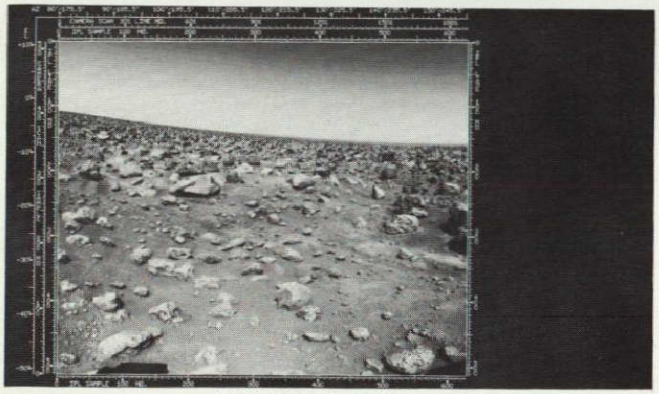


22A002/000 SURV 3/4

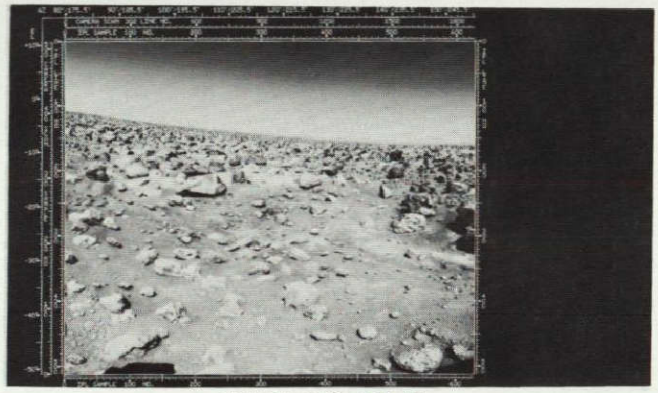


22A002/000 SURV 4/4

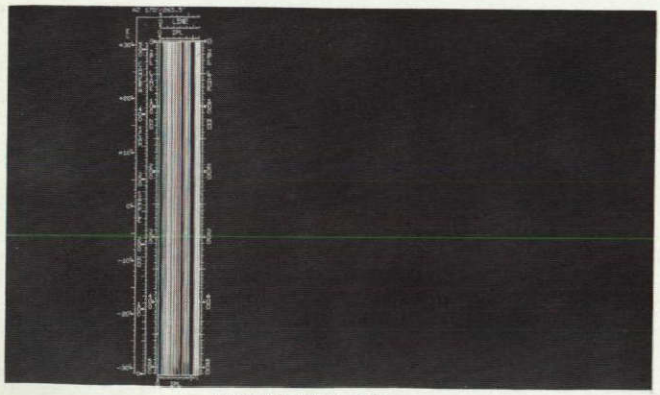
22A003/000 BLU/T



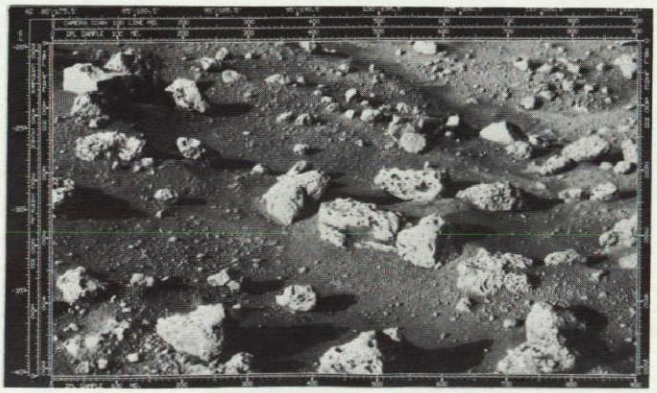
22A003/000 GRN/T



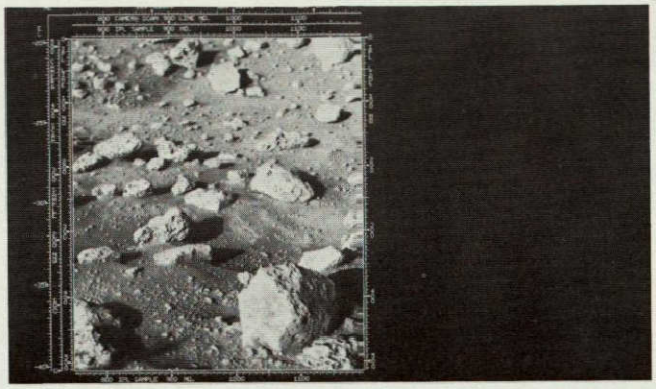
22A003/000 RED/T



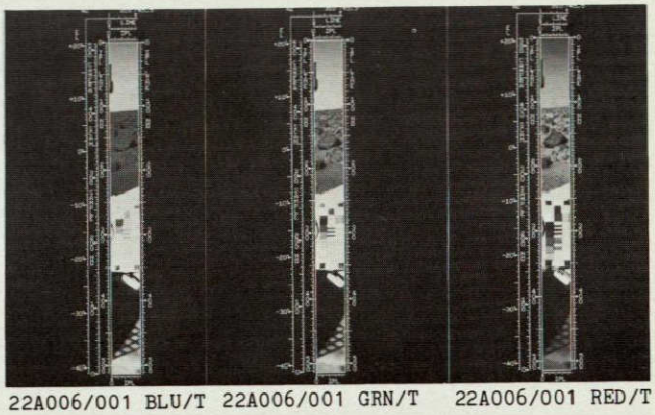
22A004/000 CAL



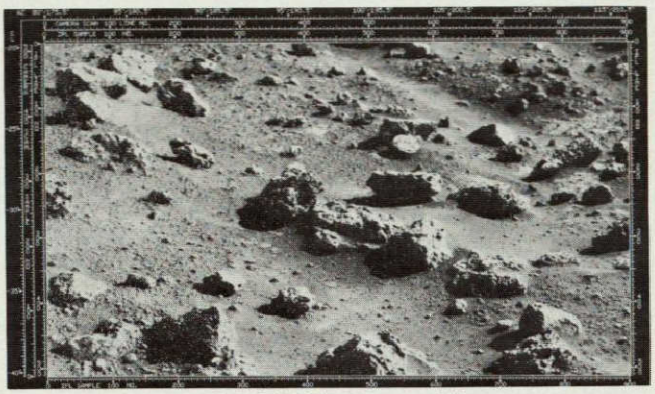
22A005/000 BB2 1/2



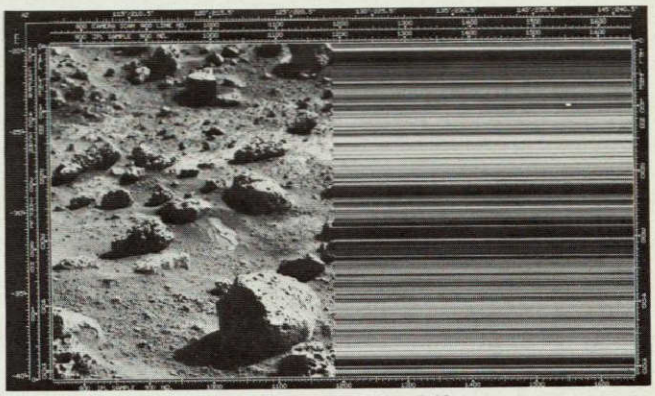
22A005/000 BB2 2/2



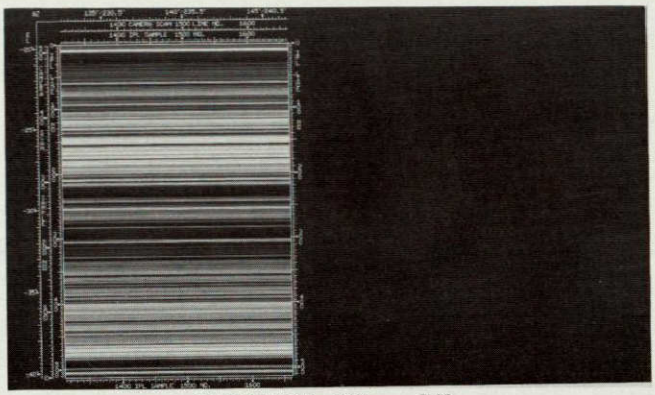
22A006/001 BLU/T 22A006/001 GRN/T 22A006/001 RED/T



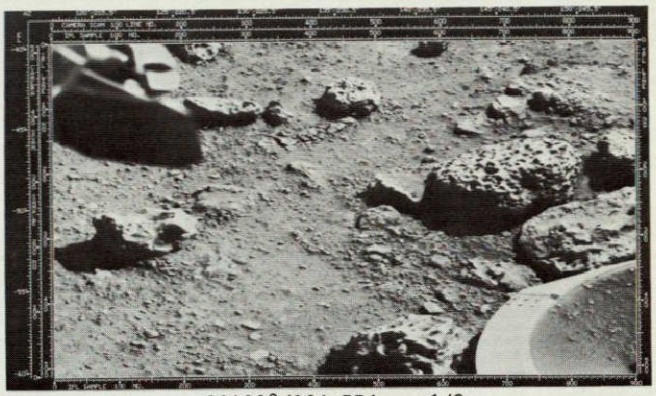
22A007/001 BB2 1/3



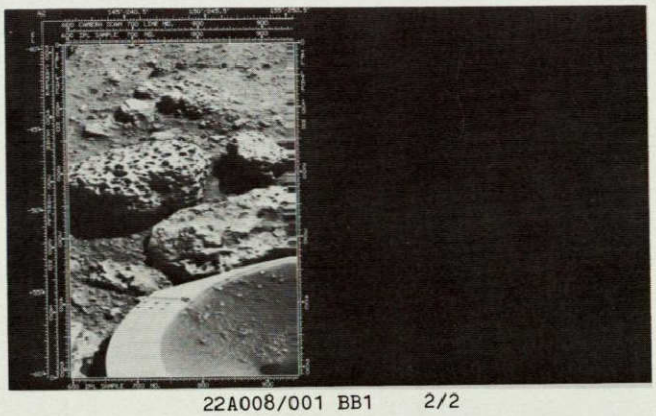
22A007/001 BB2 2/3



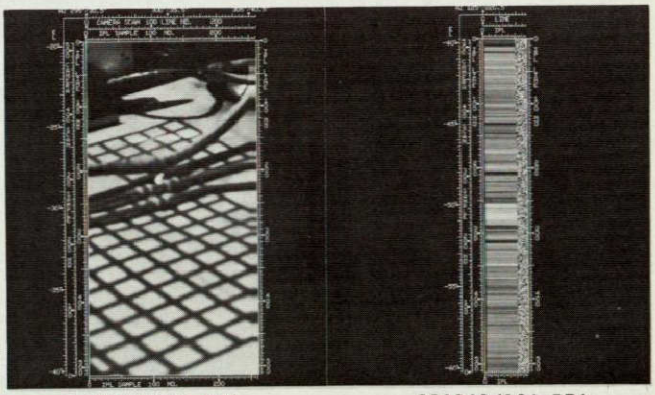
22A007/001 BB2 3/3



22A008/001 BB1 1/2

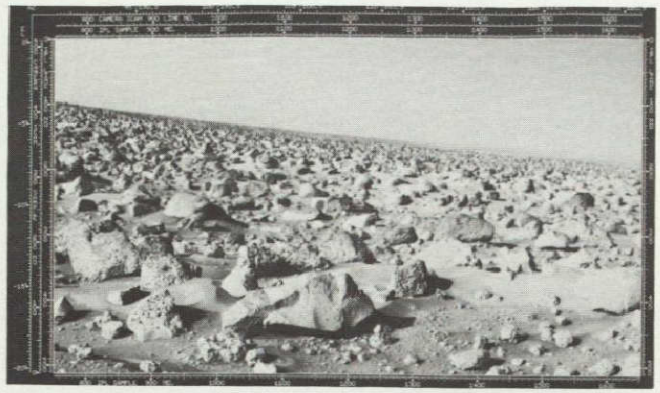


22A008/001 BB1 2/2



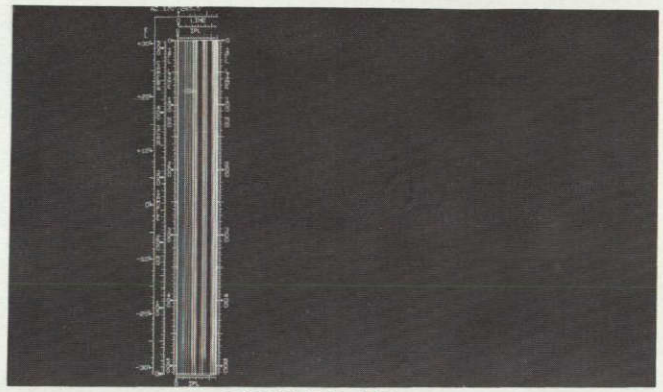
22A009/001 BB1 22A010/001 BB1

22A011/001 BB3 1/3

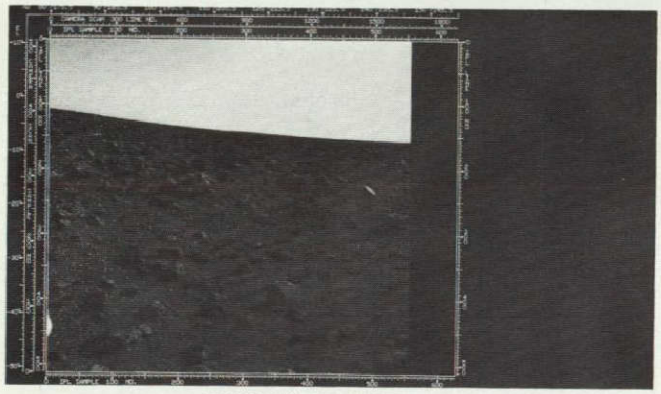


22A011/001 BB3 2/3

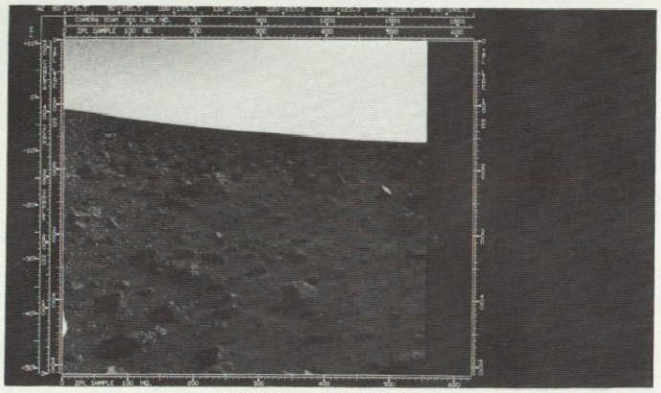
22A011/001 BB3 3/3



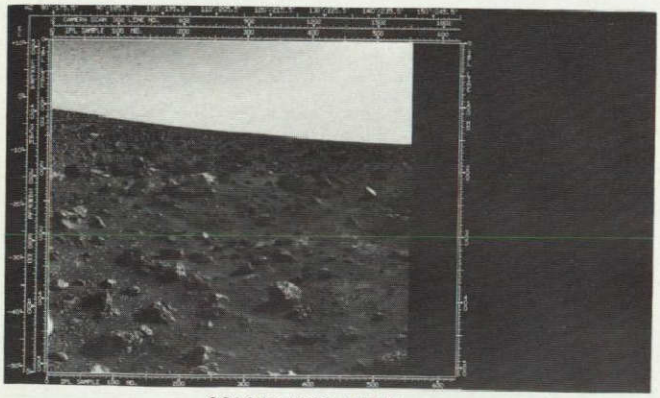
22A012/001 CAL



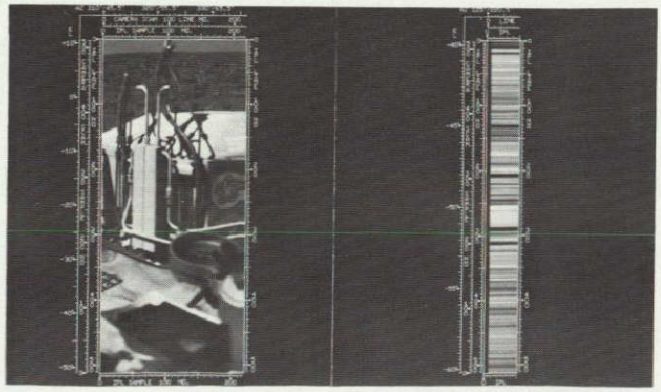
22A013/002 BLU/T



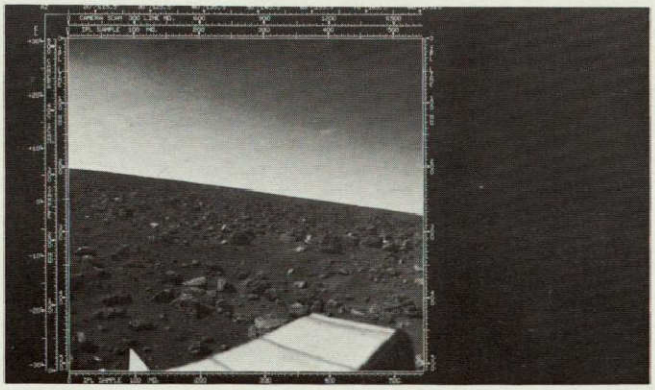
22A013/002 GRN/T



22A013/002 RED/T

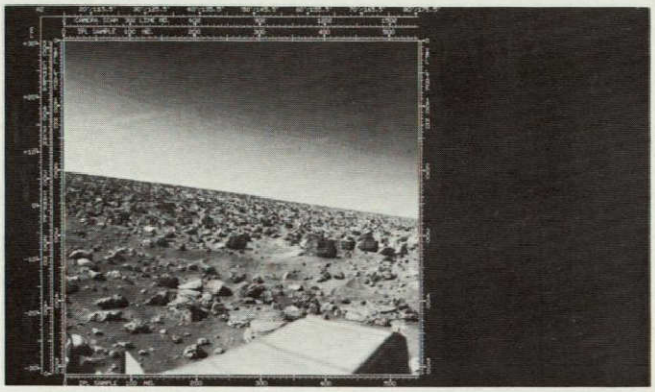


22A014/002 SURV 22A015/002 BB1

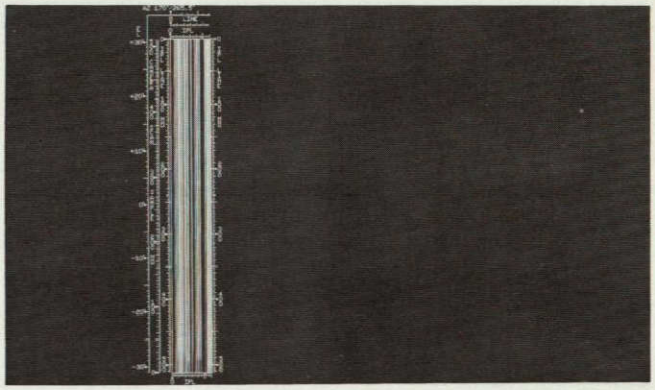


22A016/002 BLU/T

22A016/002 GRN/T

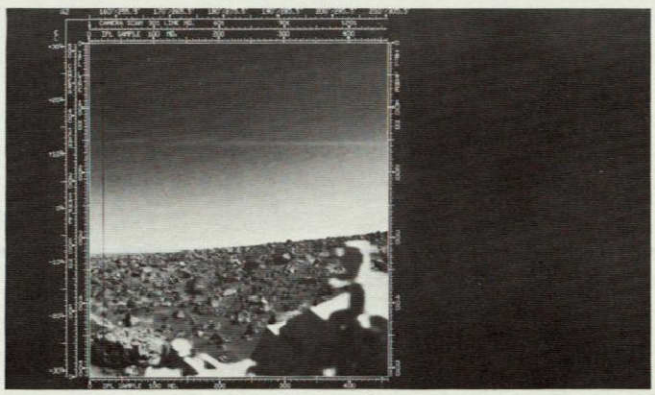


22A016/002 RED/T



22A017/002 CAL

22A018/002 BLU/T



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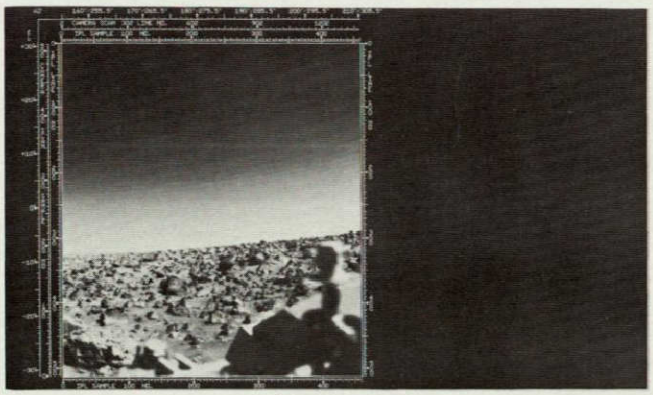
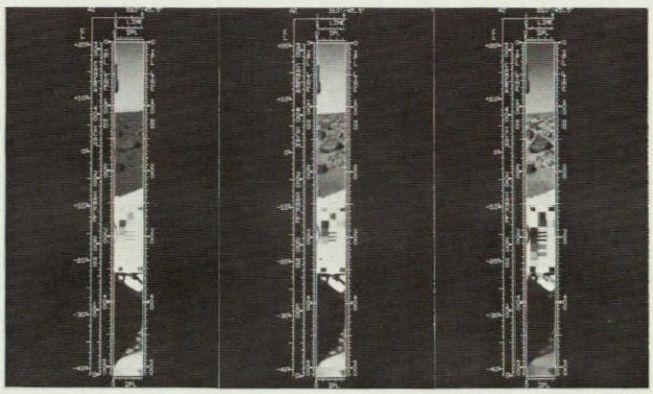
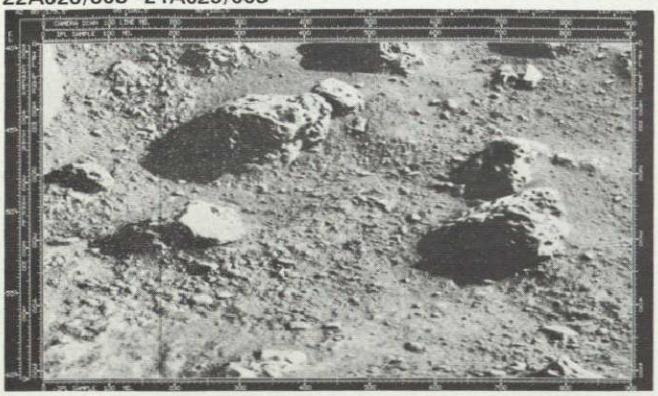


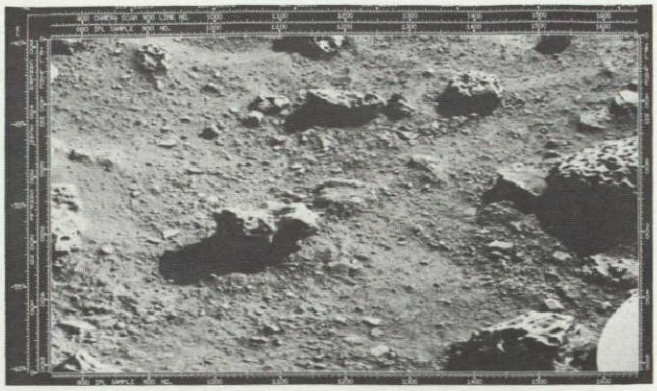
22A018/002 RED/T



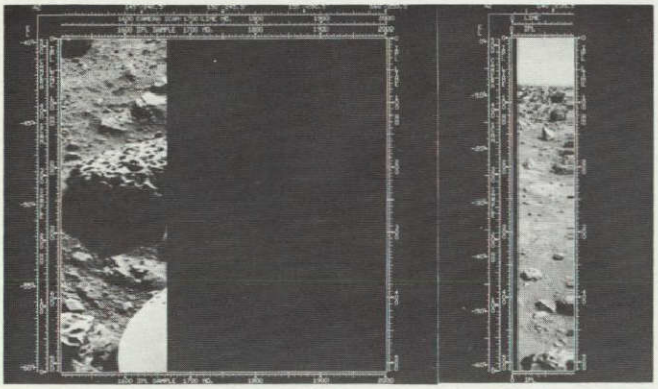
22A019/003 BLU/T 22A019/003 GRN/T 22A019/003 RED/T



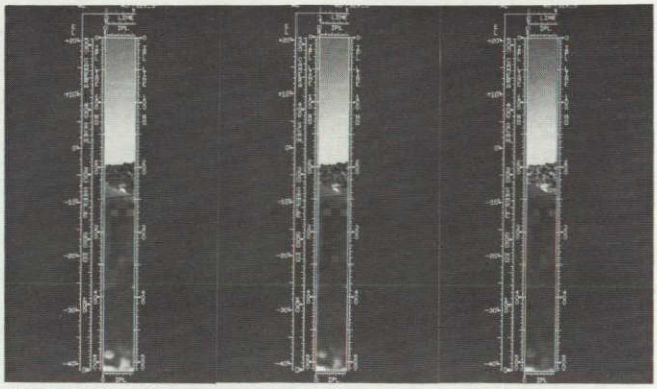
22A020/003 BB1 1/3



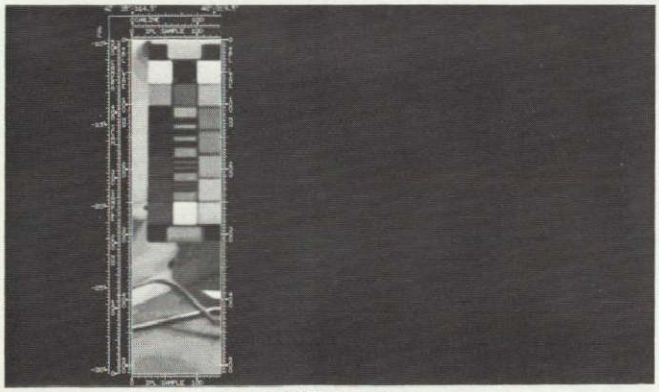
22A020/003 BB1 2/3



22A020/003 BB1 3/3 22A021/003 SURV

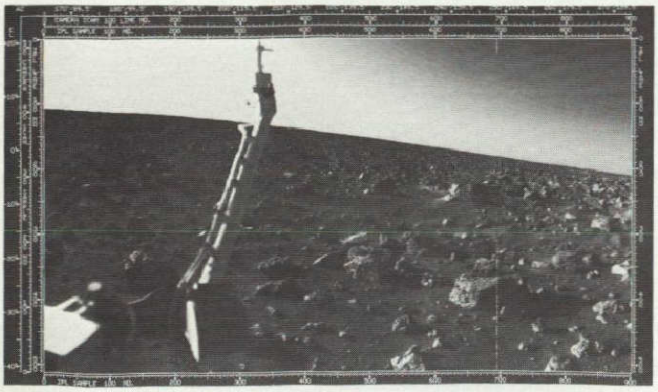


21A022/003 BLU/T 21A022/003 GRN/T 21A022/003 RED/T

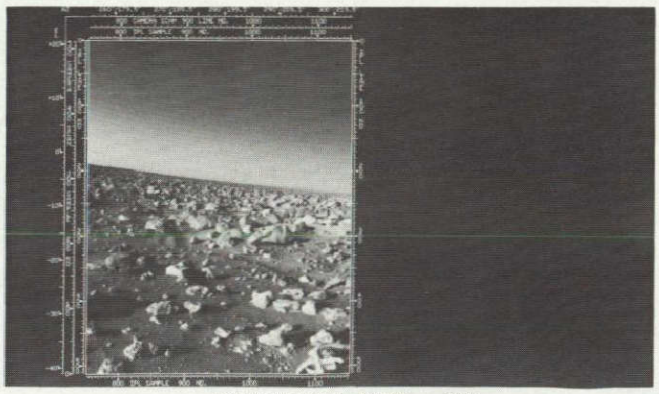


21A023/003 BB1

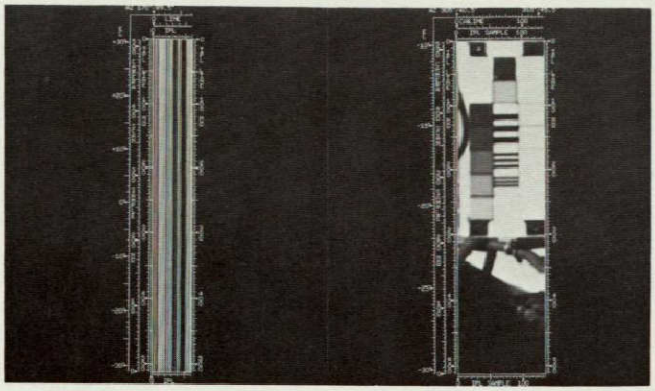
21A024/003 BB3



21A025/003 SURV 1/2

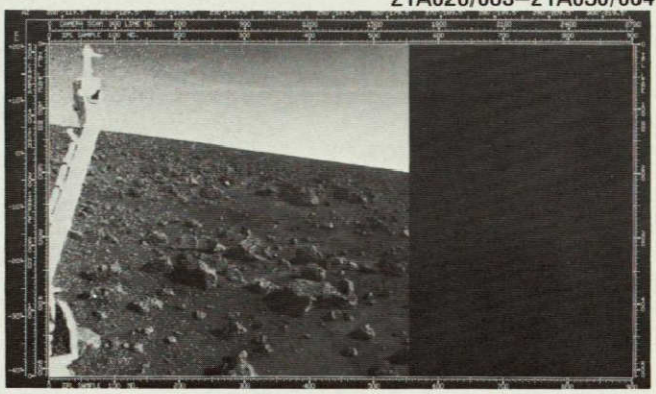


21A025/003 SURV 2/2

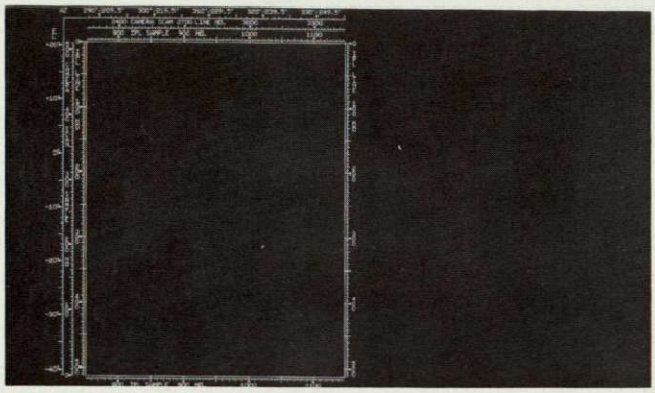


21A026/003 CAL

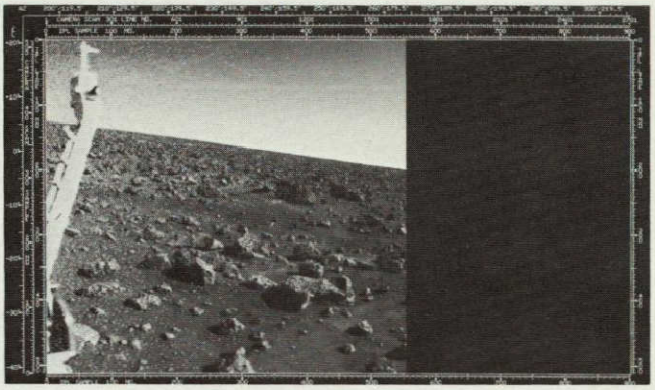
22A027/004 BB1



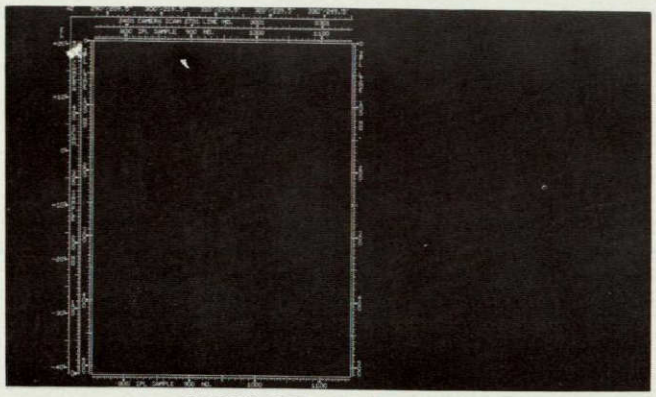
21A028/004 BLU/T 1/2



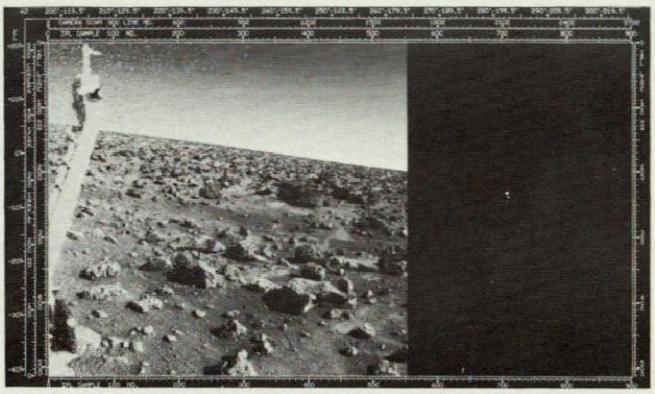
21A028/004 BLU/T 2/2



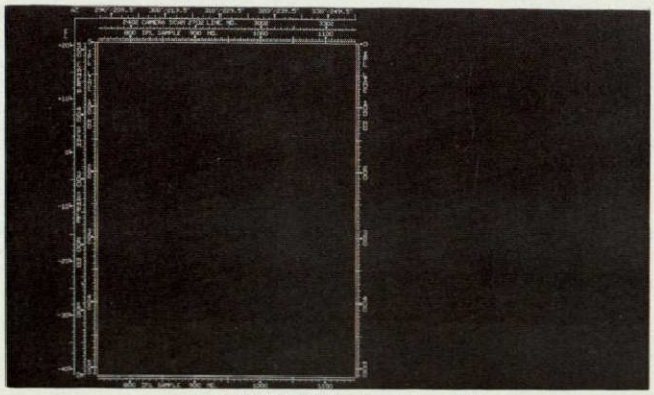
21A028/004 GRN/T 1/2



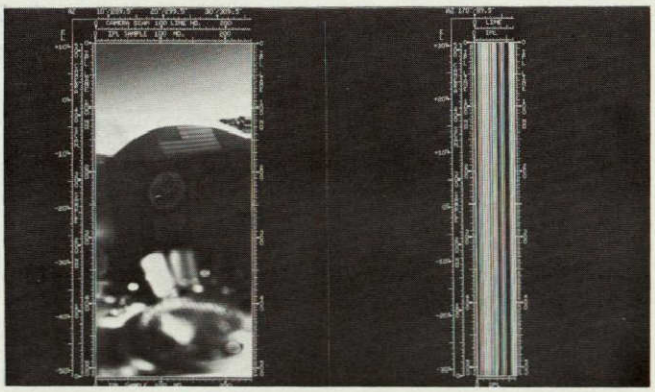
21A028/004 GRN/T 2/2



21A028/004 RED/T 1/2



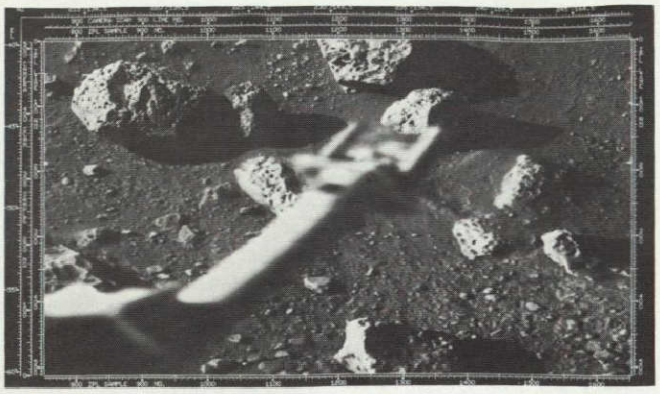
21A028/004 RED/T 2/2



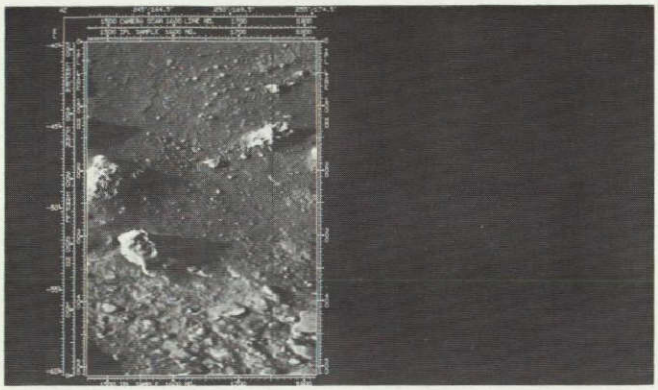
21A029/004 SURV

21A030/004 CAL

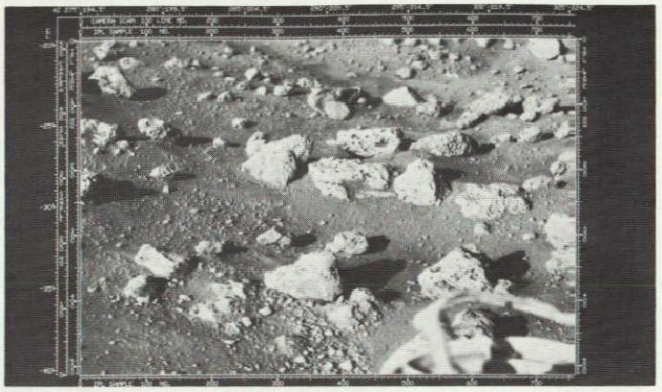
21A031/004 BB1 1/3



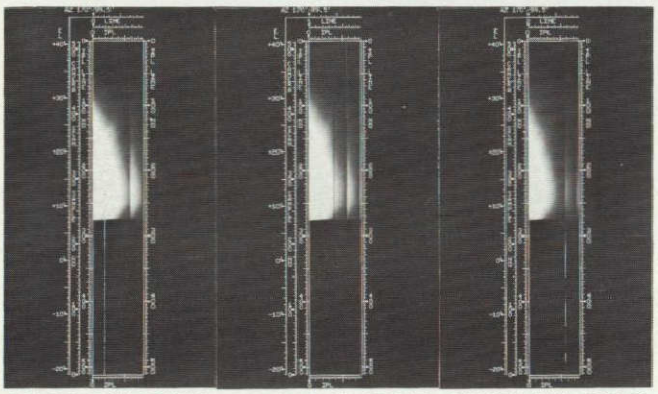
21A031/004 BB1 2/3



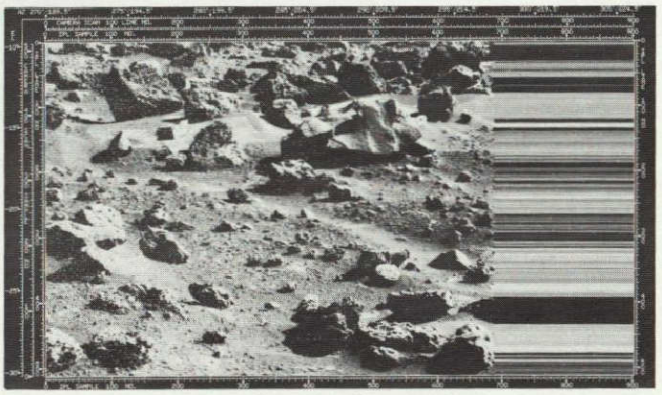
21A031/004 BB1 3/3



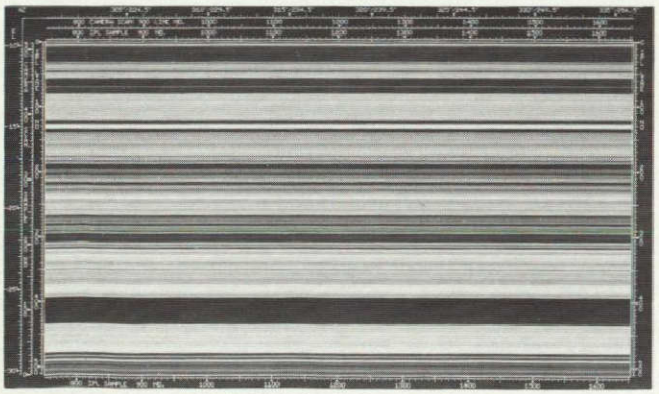
21A032/004 BB2



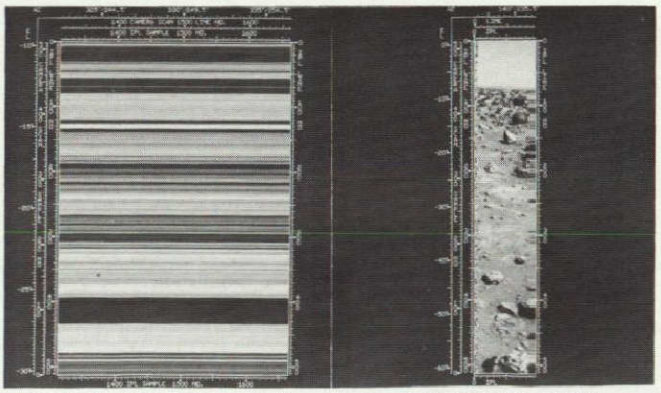
21A033/004 BLU/T 21A033/004 GRN/T 21A033/004 RED/T



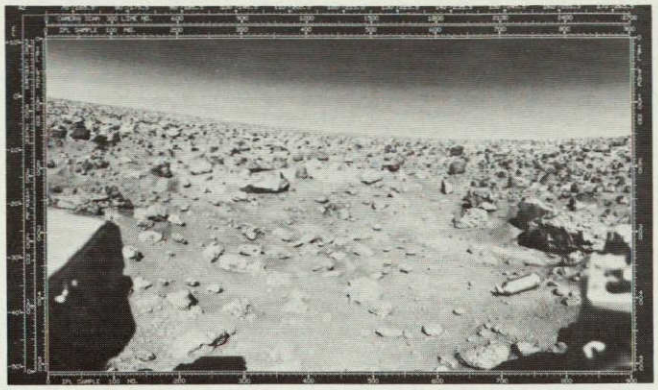
21A034/005 BB3 1/3



21A034/005 BB3 2/3

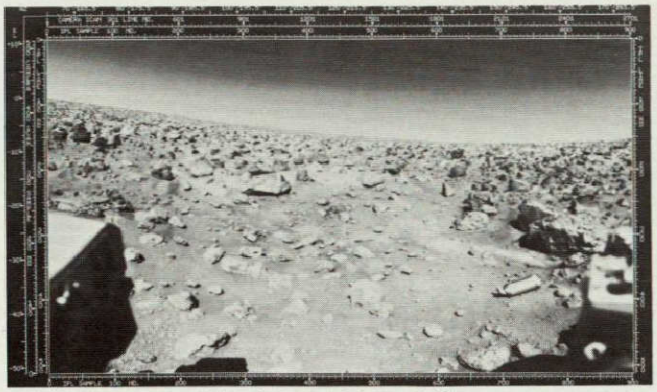


21A034/005 BB3 3/3 22A035/005 SURV

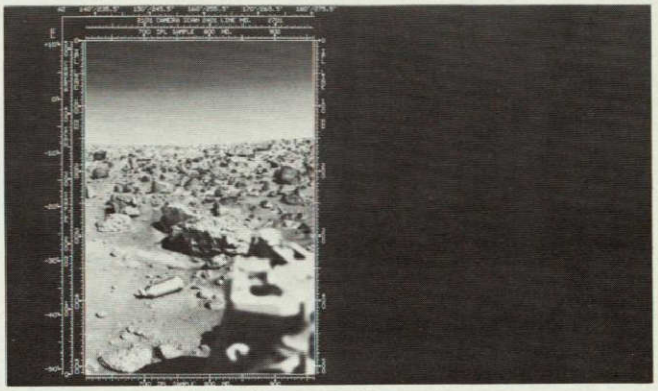


22A036/005 IR3/T 1/2

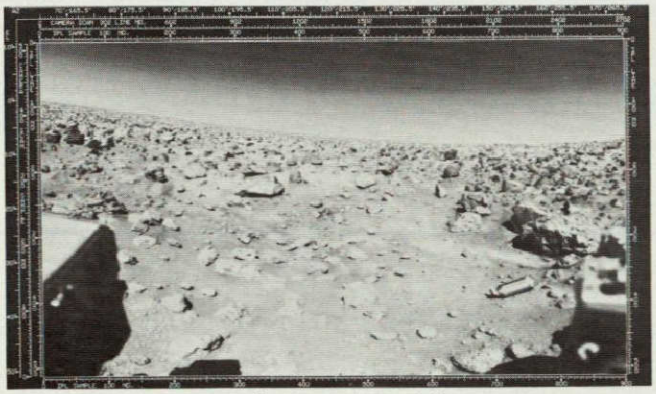
22A036/005 IR3/T 2/2



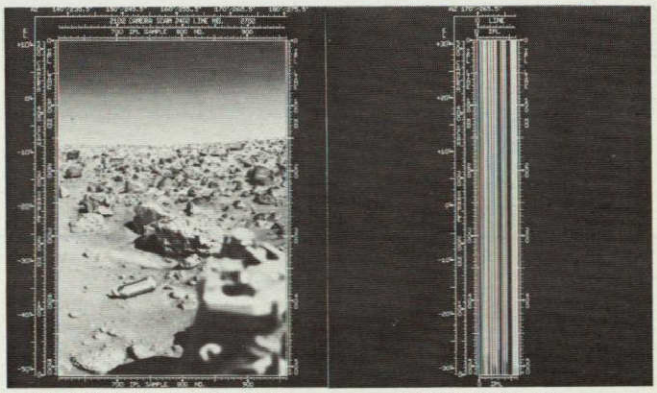
22A036/005 IR2/T 1/2



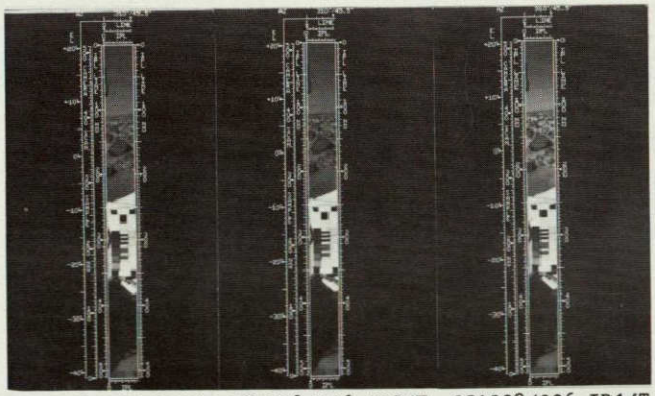
22A036/005 IR2/T 2/2



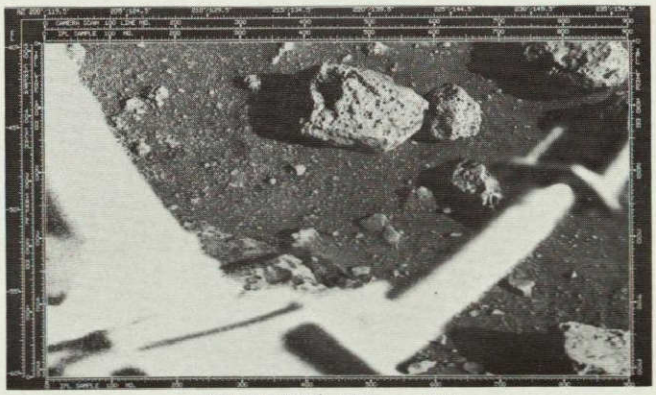
22A036/005 IR1/T 1/2



22A036/005 IR1/T 2/2 22A037/005 CAL

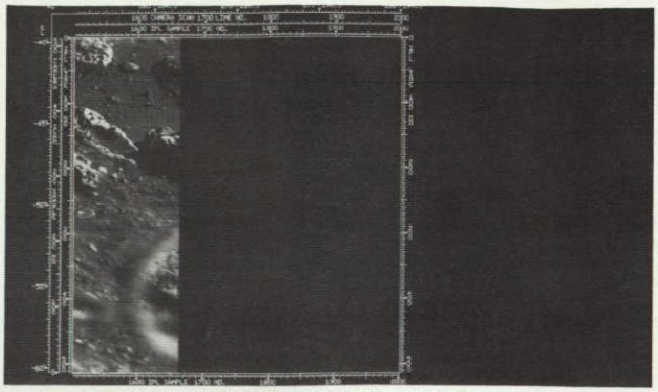


22A038/006 IR3/T 22A038/006 IR2/T 22A038/006 IR1/T



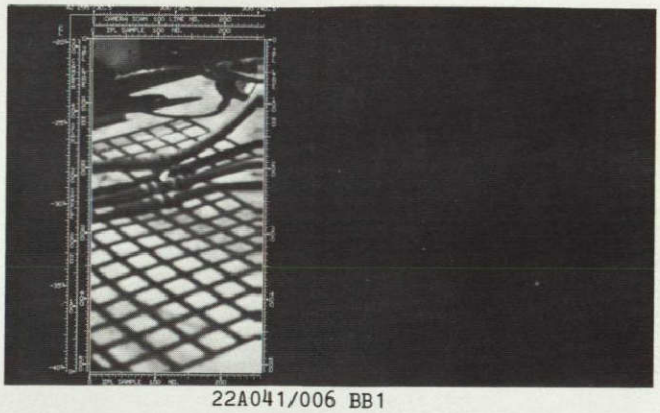
21A039/006 BB1 1/3

21A039/006 BB1 2/3



21A039/006 BB1 3/3

21A040/006 BB1



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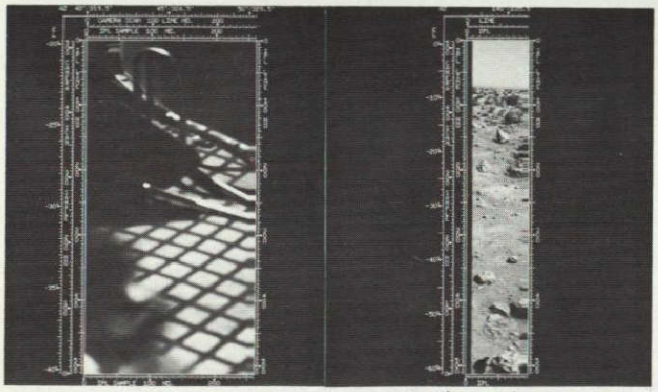
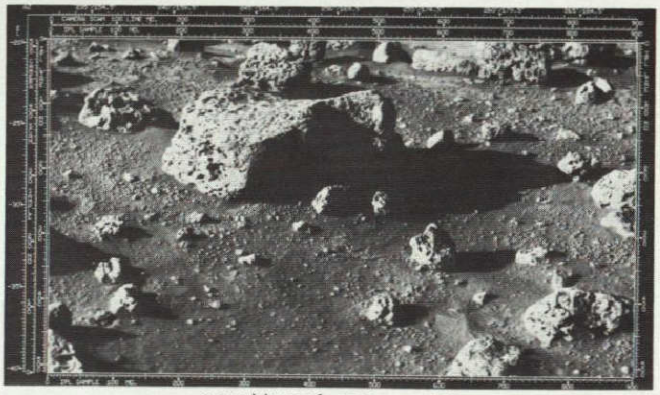
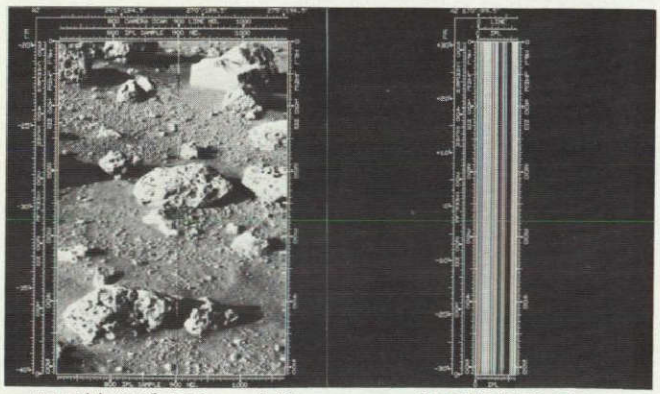


21A042/006 BB1

22A043/006 SURV

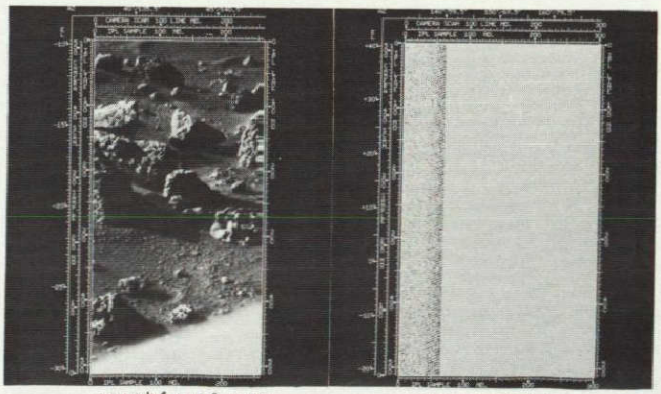


21A044/006 BB2 1/2



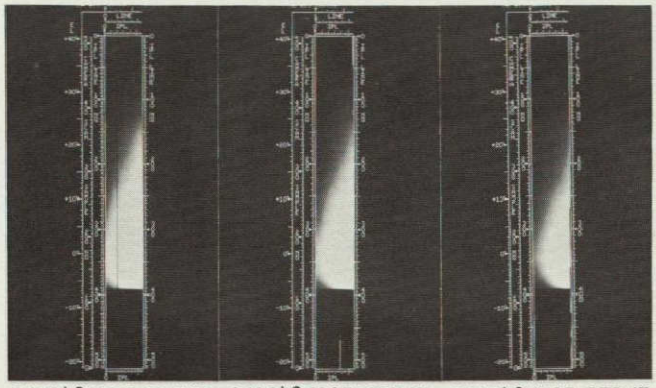
21A044/006 BB2 2/2

21A045/006 CAL

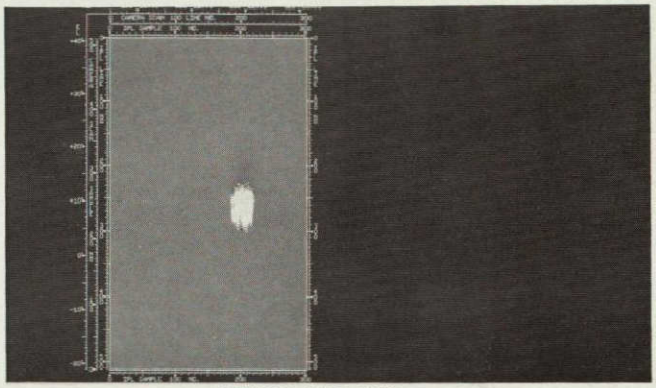


22A046/006 BB2

21A047/006 SUN



21A048/007 BLU/T 21A048/007 GRN/T 21A048/007 RED/T



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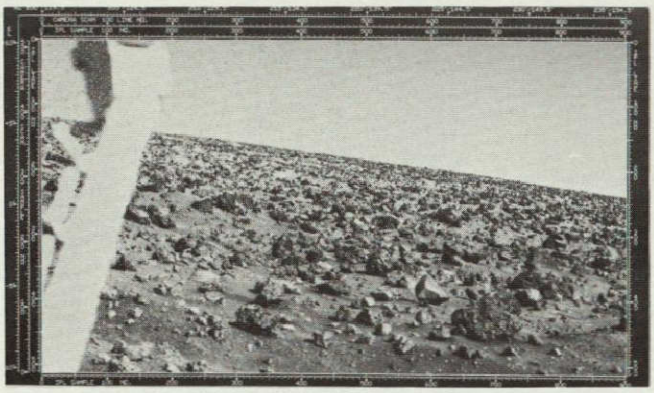
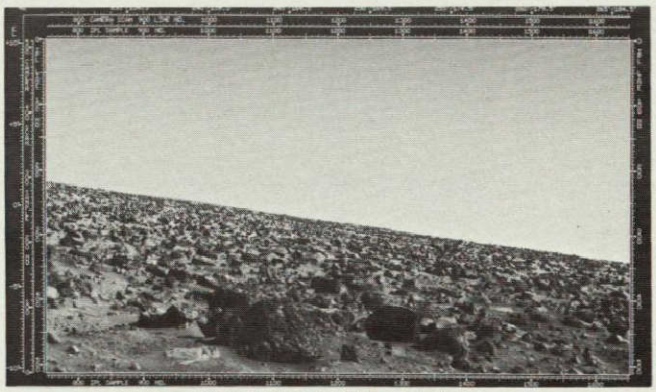


21A050/007 BB4 1/3



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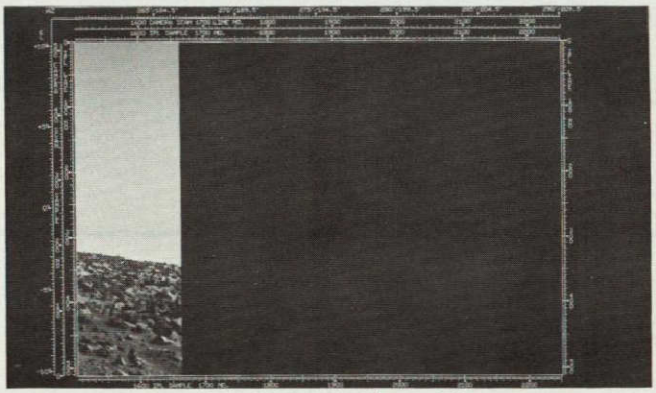

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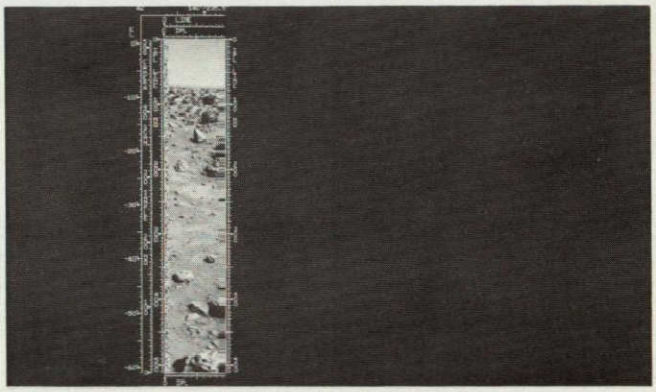

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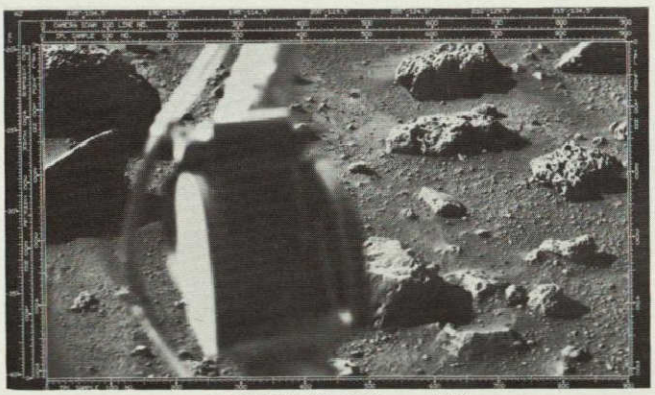
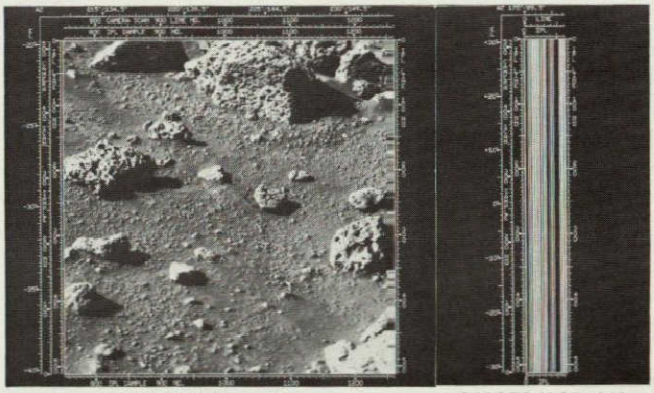
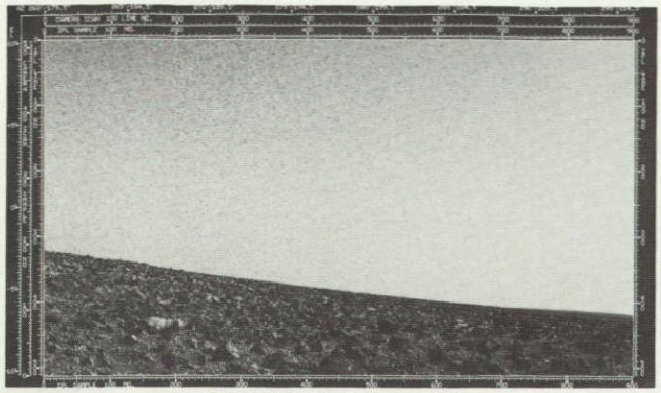


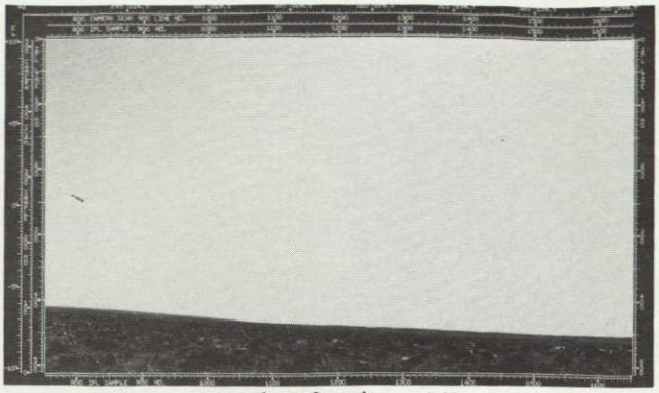
21A052/007 BB2 1/2



21A052/007 BB2 2/2 21A053/007 CAL



21A054/008 BB4 1/3



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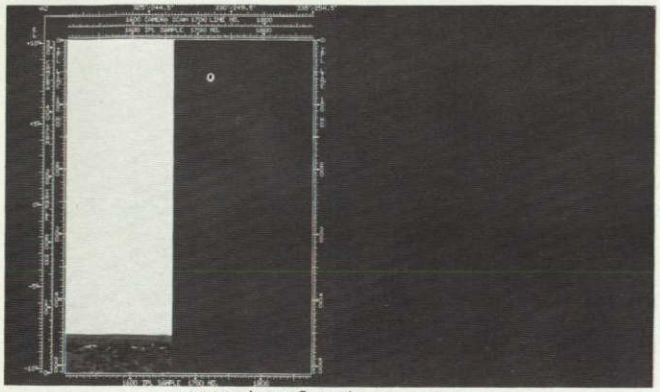

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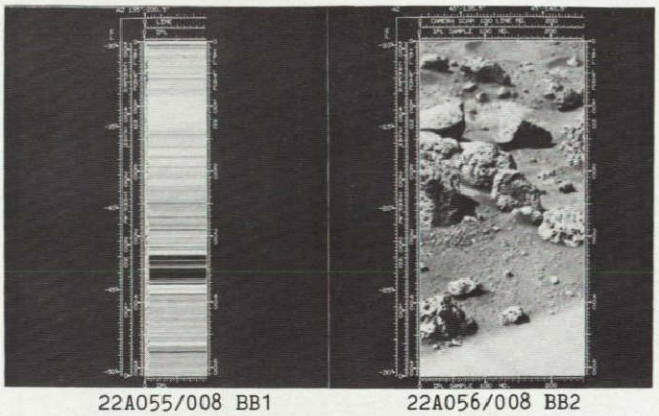
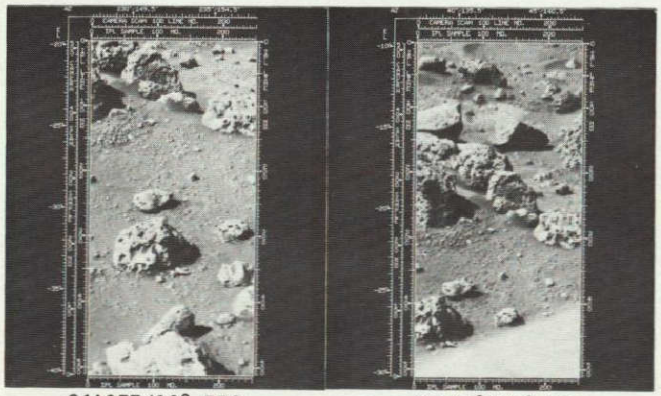
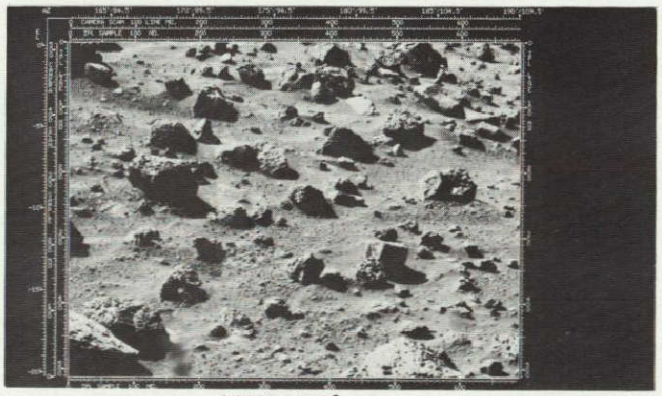


22A055/008 BB1 22A056/008 BB2



21A057/008 BB2 22A058/008 BB2



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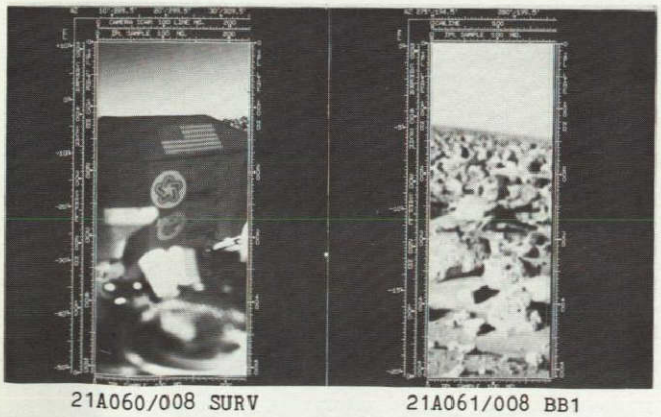
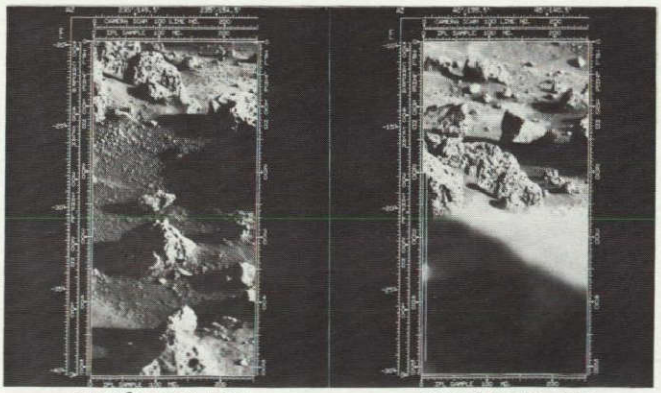
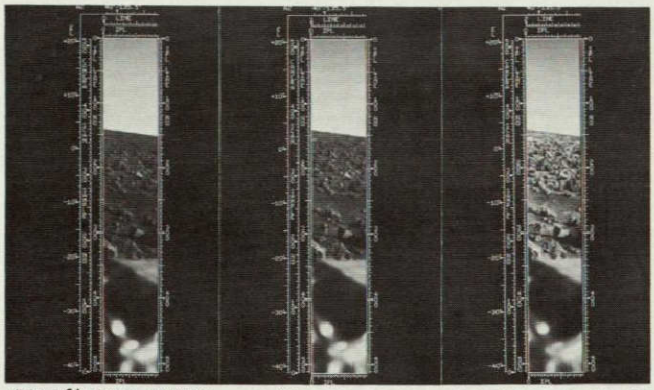


21A060/008 SURV 21A061/008 BB1



21A062/009 BB2 22A063/009 BB2



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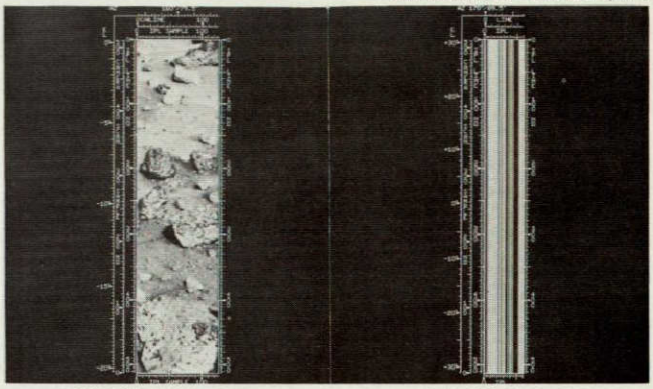
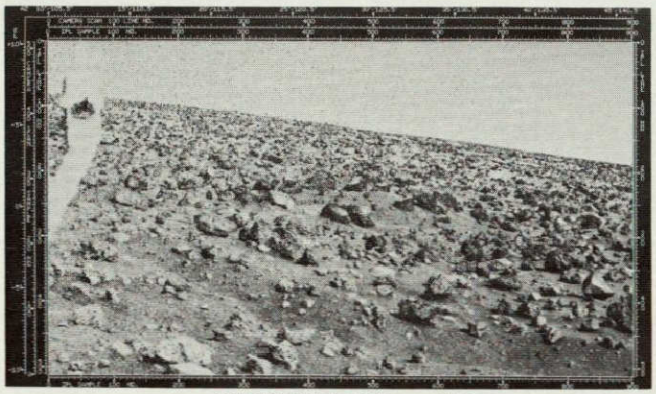
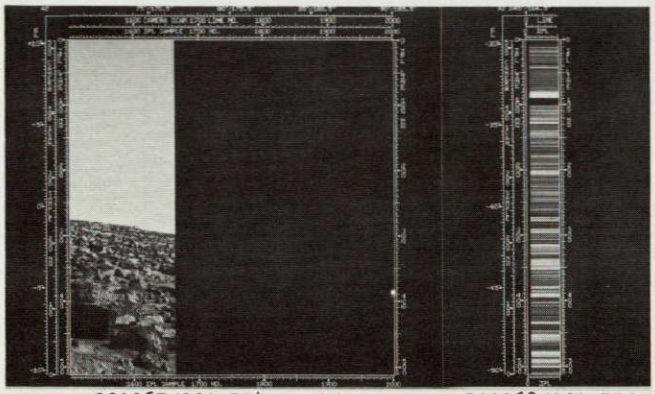


21A065/009 BB3 21A066/009 CAL

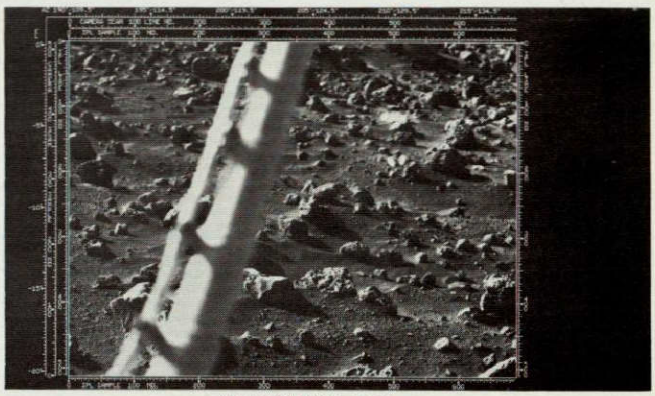


22A067/009 BB4 1/3

22A067/009 BB4 2/3



22A067/009 BB4 3/3 21A068/009 BB1



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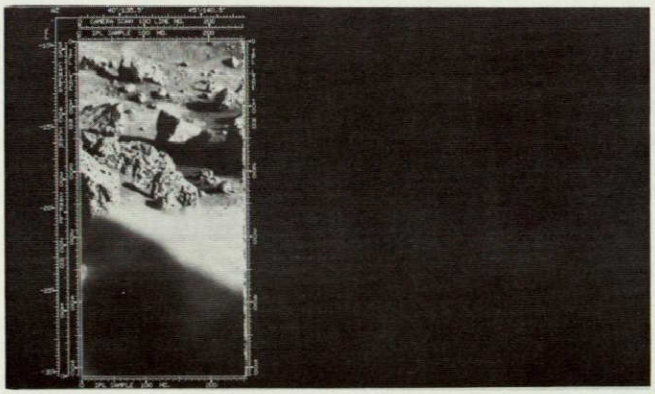
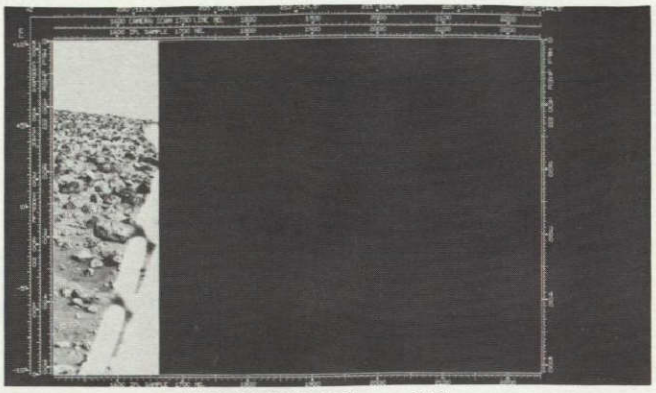


22A070/010 BB2

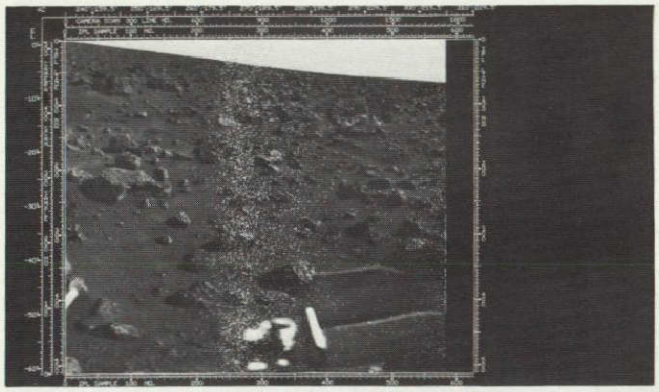
21A071/010 BB4 1/3

VL-2

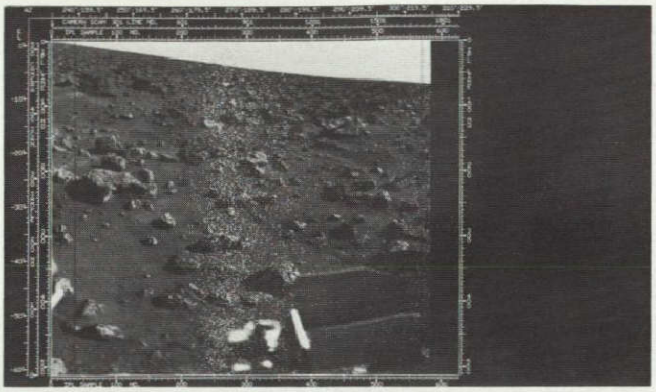
21A071/010 BB4 2/3



21A071/010 BB4 3/3



21A072/010 BLU/T



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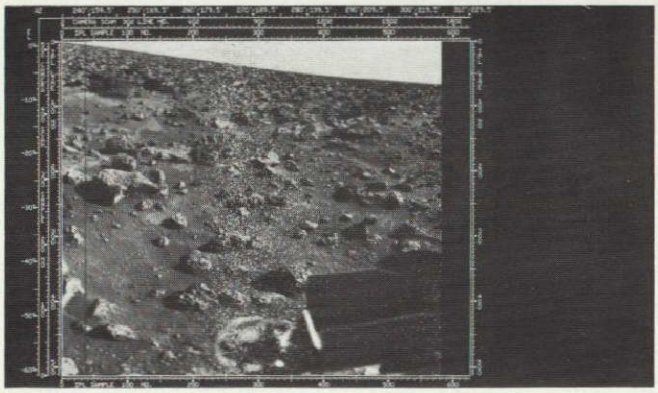
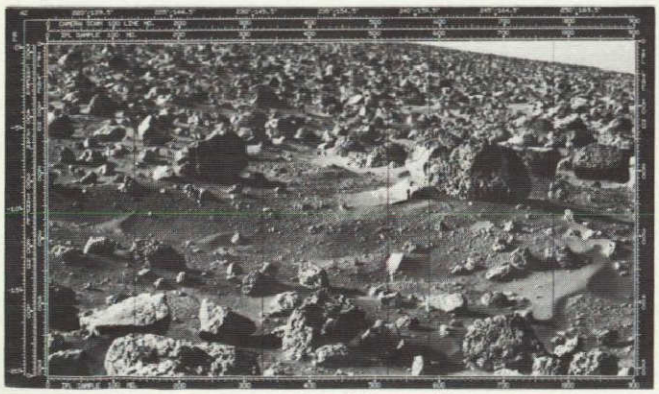


21A072/010 RED/T

22A073/010 BB1 21A074/010 BB1



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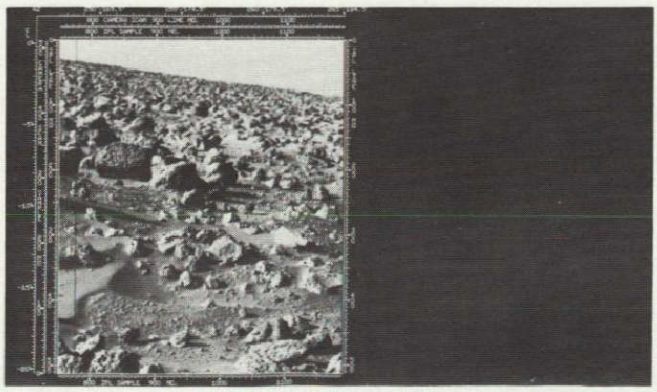

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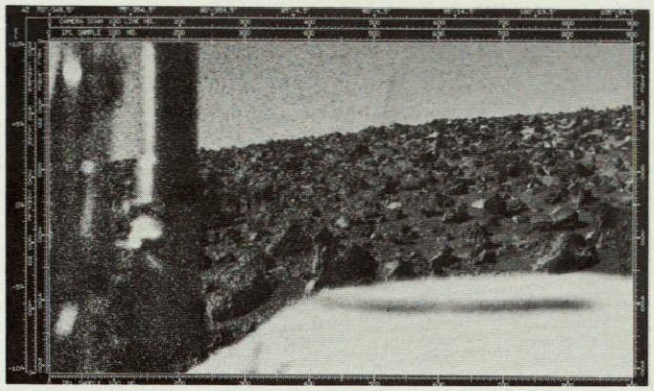

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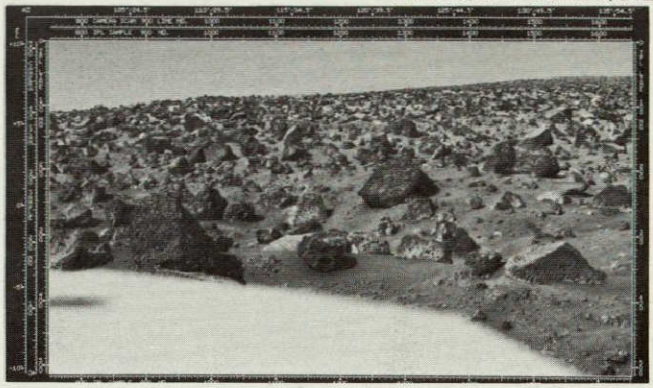

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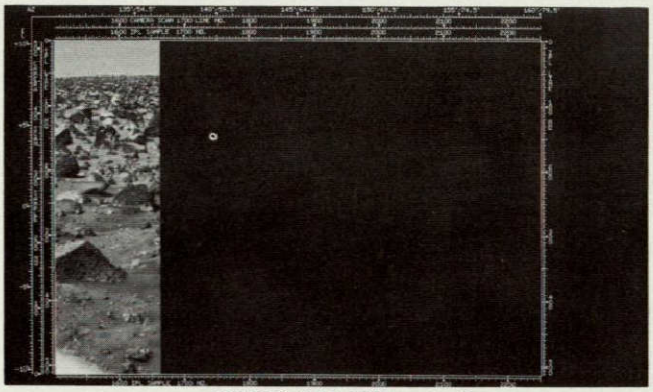
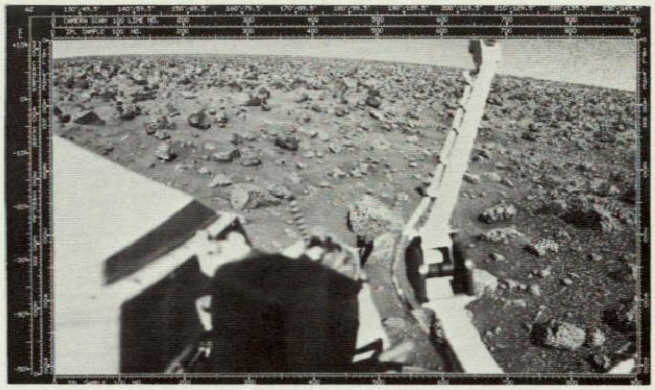
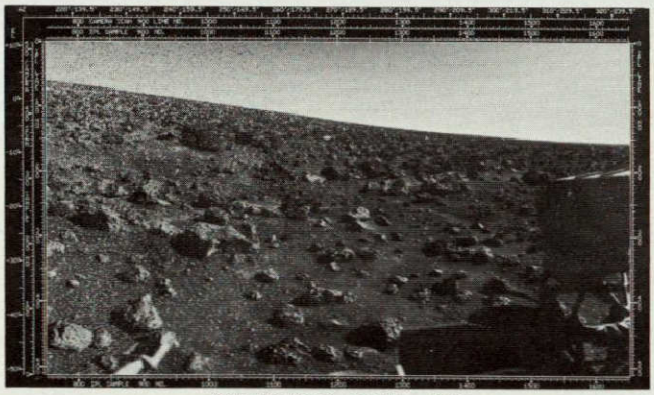


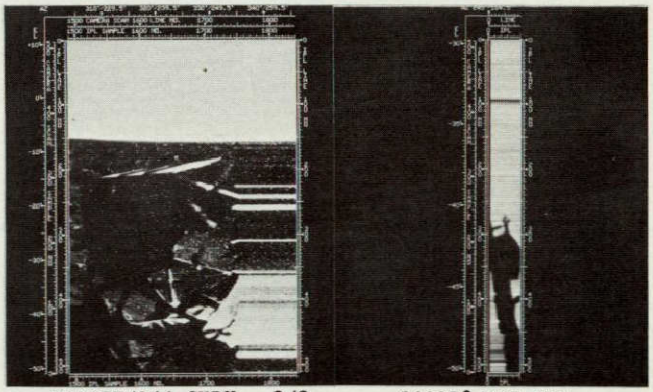
21A076/011 BB4 3/3



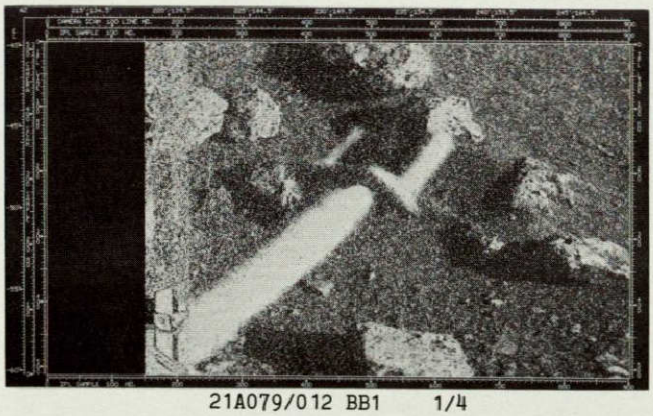
21A077/011 SURV 1/3



21A077/011 SURV 2/3



21A077/011 SURV 3/3 21A078/011 BB1



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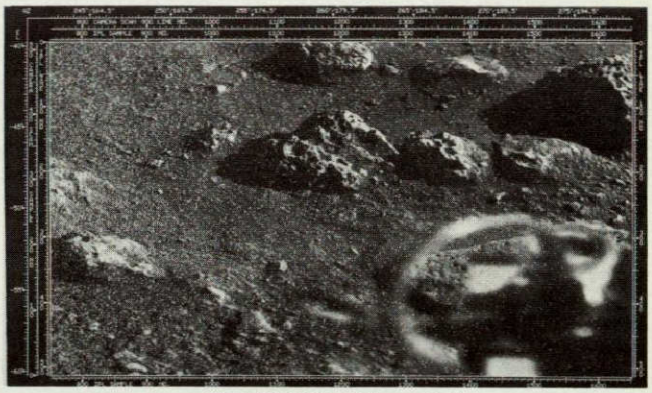
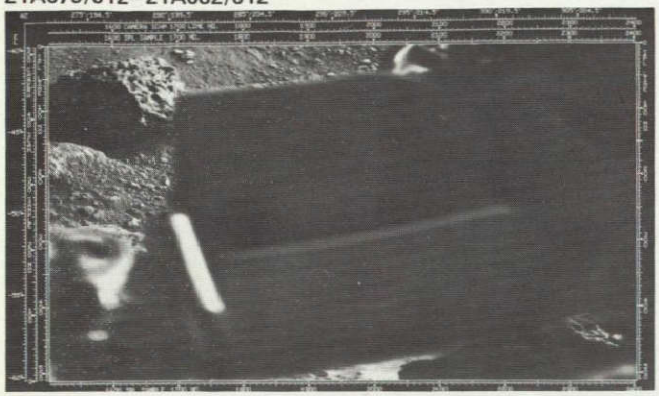


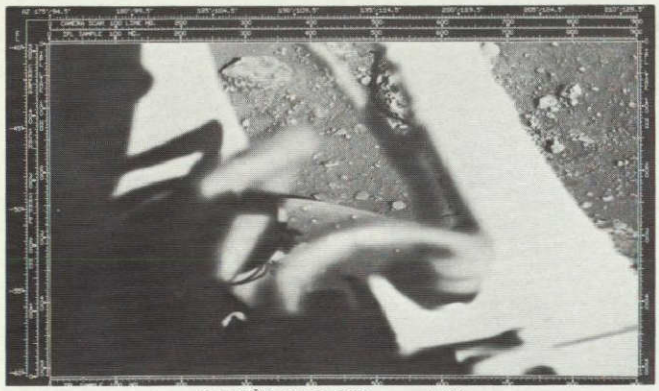
21A079/012 BB1 2/4

VL-2



21A079/012 BB1 3/4

21A079/012 BB1 4/4



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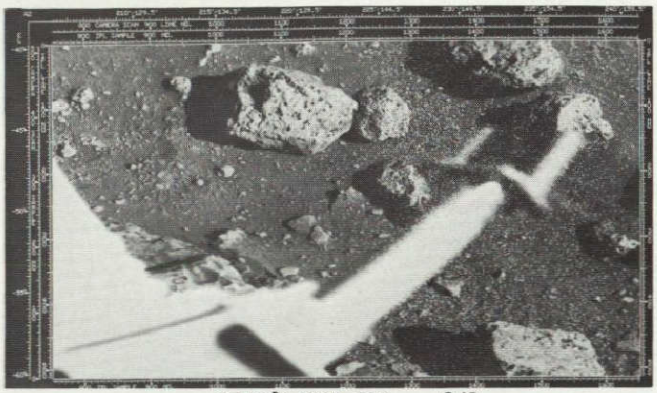

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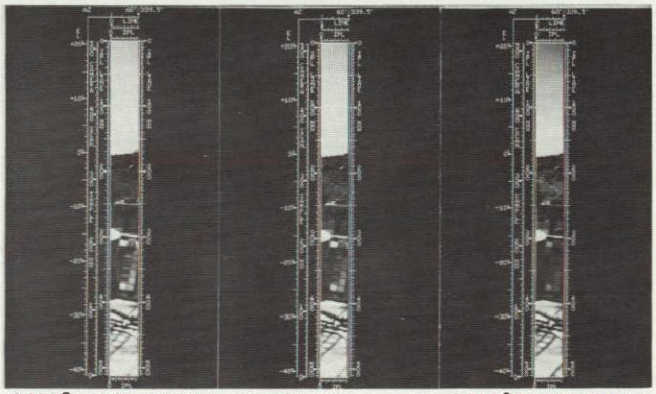
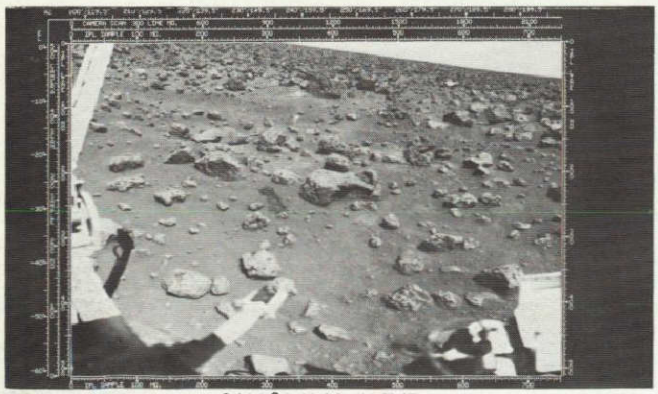
21A080/012 BB1 3/3

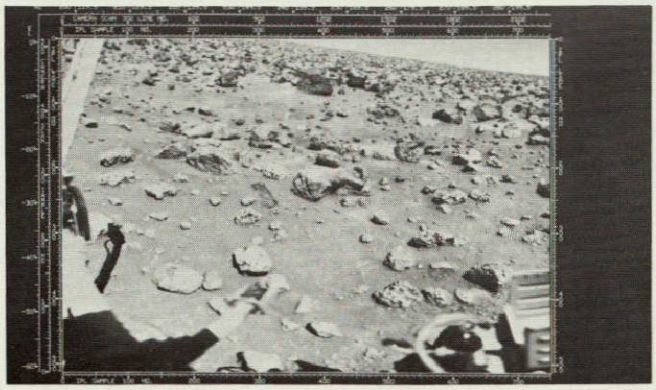


21A081/012 BLU/T 21A081/012 GRN/T 21A081/012 RED/T

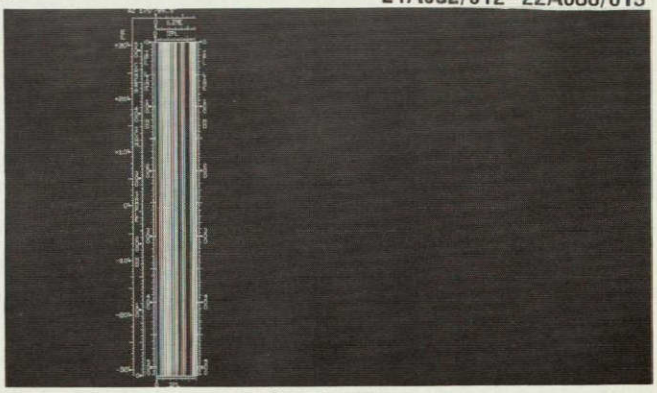


21A082/012 BLU/T

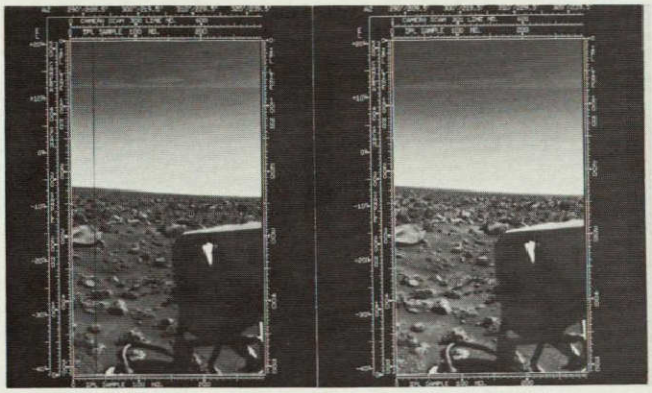
21A082/012 GRN/T



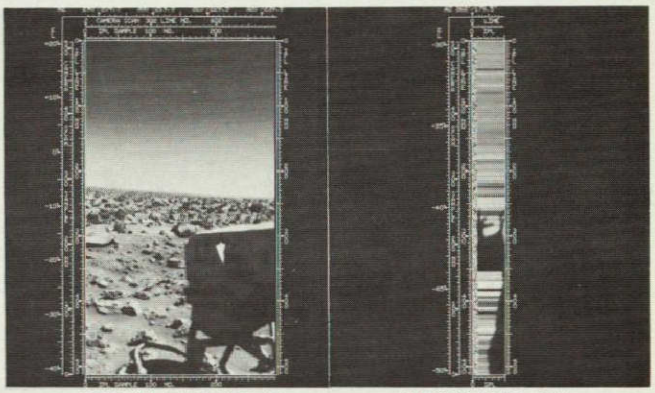
21A082/012 RED/T



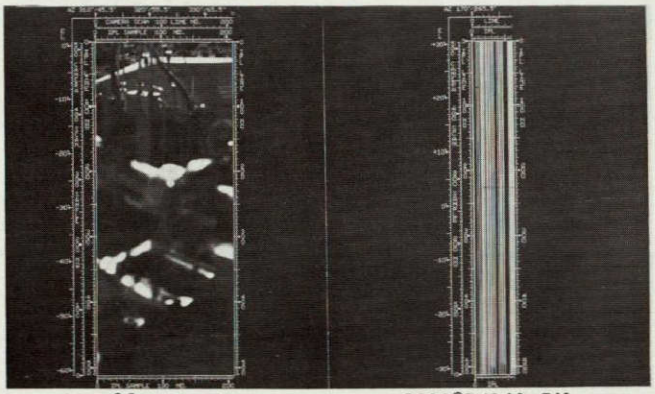
21A083/012 CAL



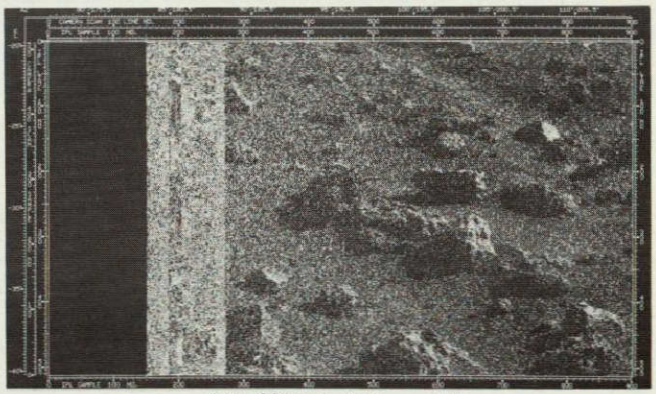
21A084/012 BLU/T 21A084/012 GRN/T



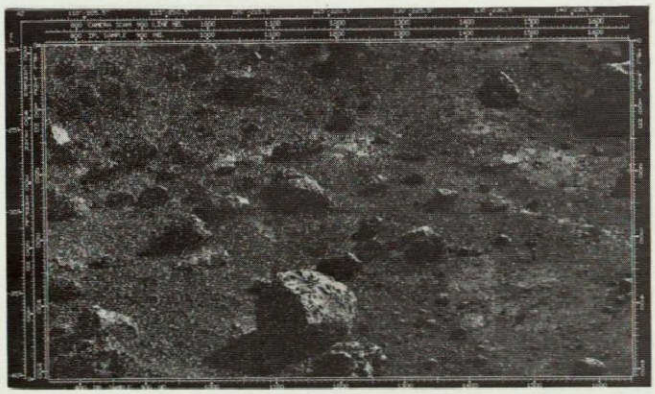
21A084/012 RED/T 21A085/012 BB1



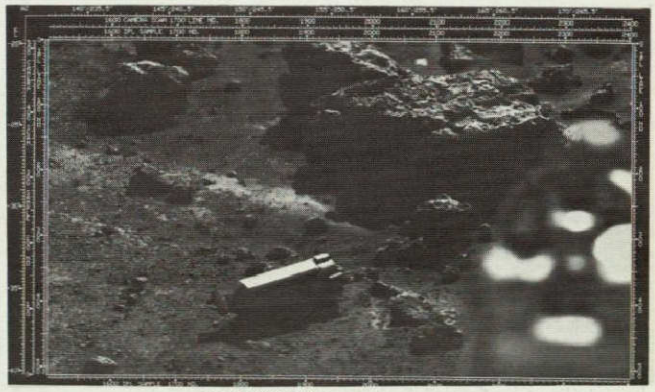
22A086/012 SURV 22A087/012 CAL



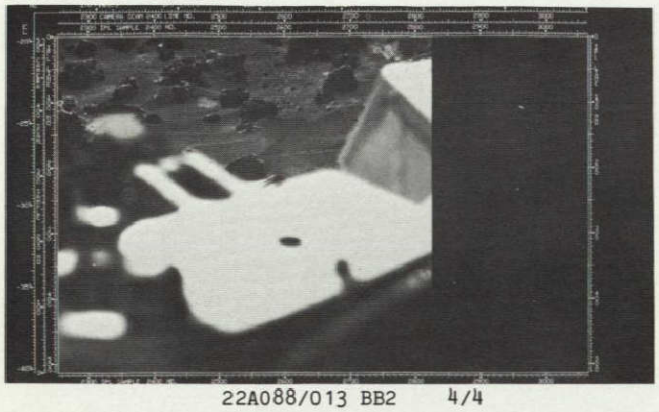
22A088/013 BB2 1/4



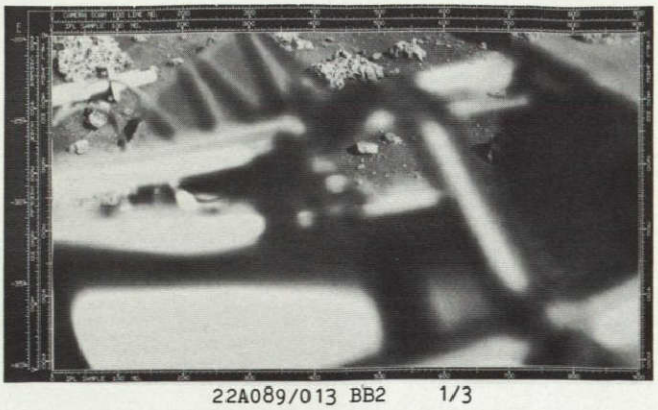
22A088/013 BB2 2/4



22A088/013 BB2 3/4

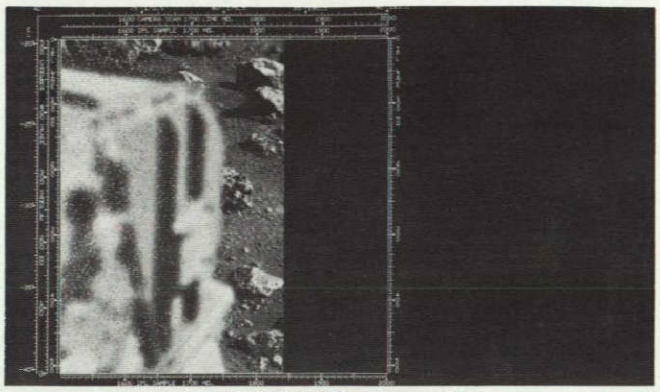


22A088/013 BB2 4/4

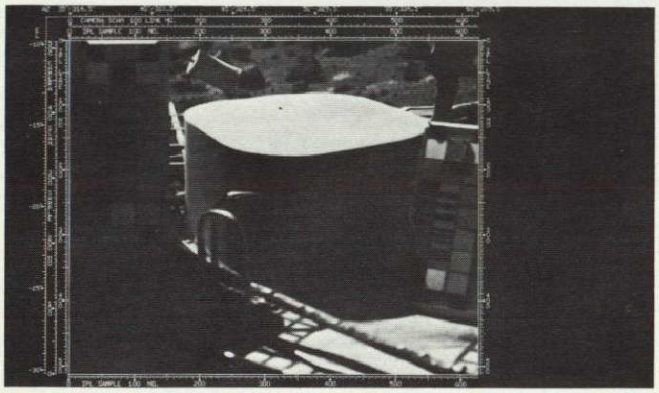


22A089/013 BB2 1/3

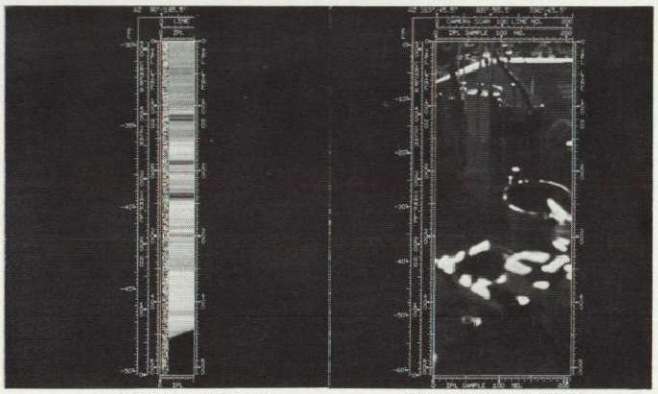
22A089/013 BB2 2/3



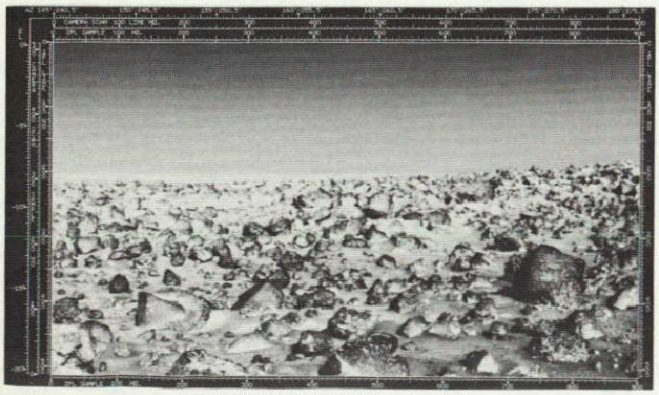
22A089/013 BB2 3/3



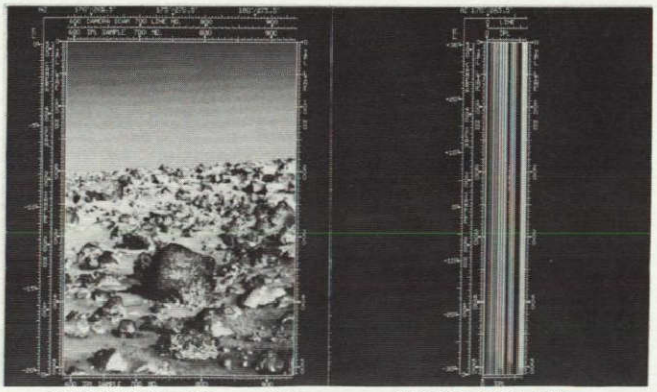
21A090/013 BB1



22A091/013 BB1 22A092/013 SURV

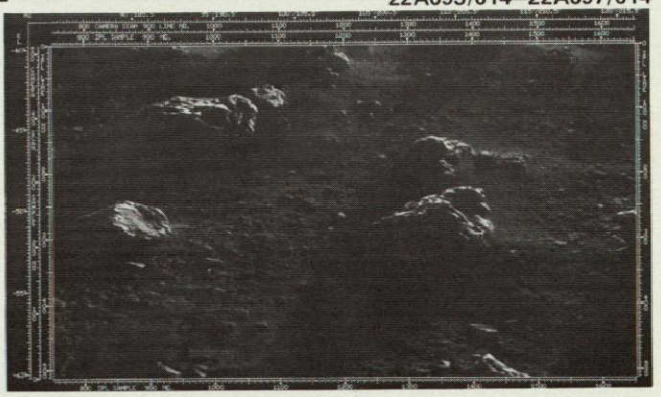


22A093/013 BB3 1/2

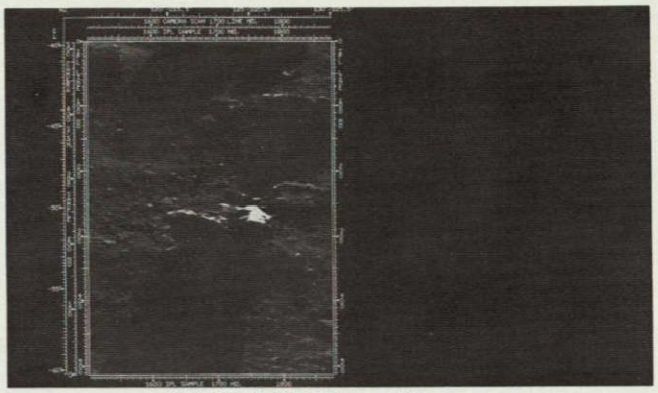


22A093/013 BB3 2/2 22A094/013 CAL

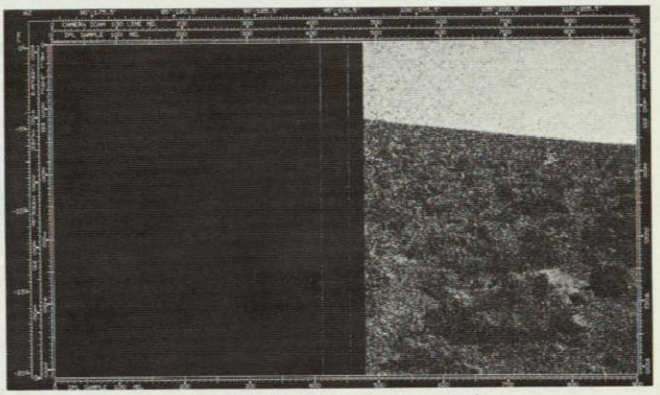
22A095/014 BB1 1/3



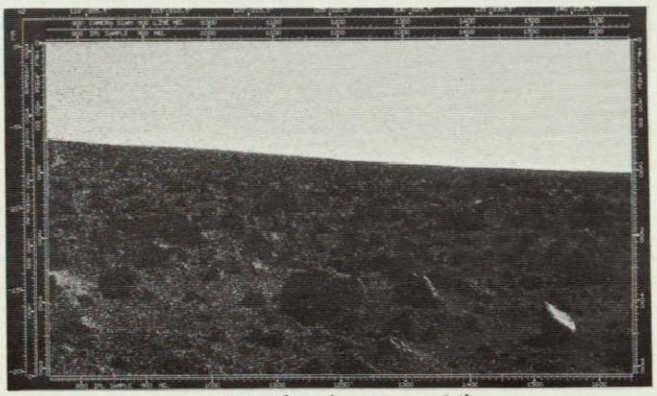
22A095/014 BB1 2/3



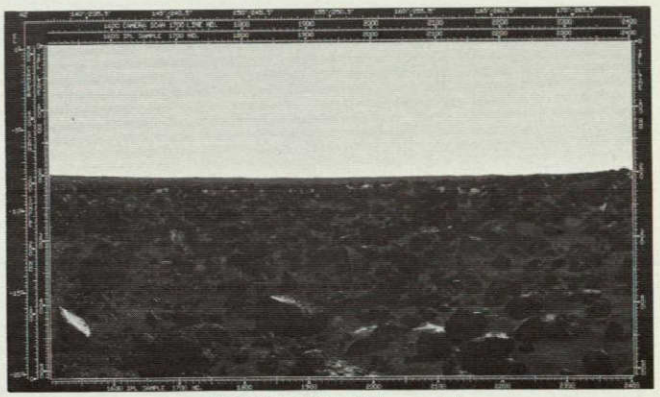
22A095/014 BB1 3/3



22A096/014 BB3 1/4

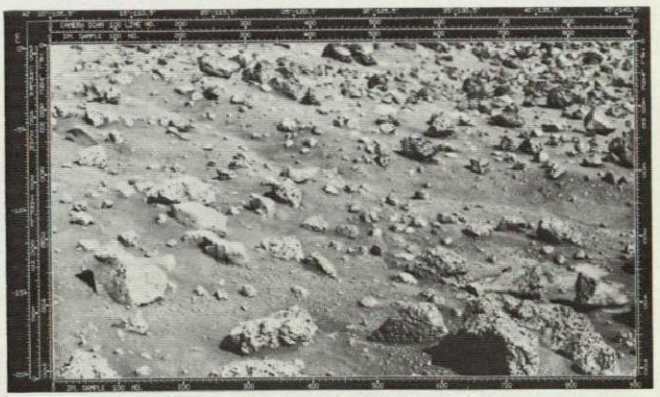


22A096/014 BB3 2/4



22A096/014 BB3 3/4

22A096/014 BB3 4/4



22A097/014 BB3 1/3

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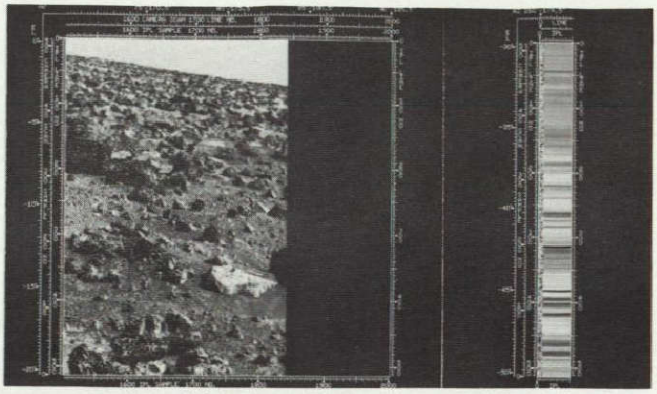
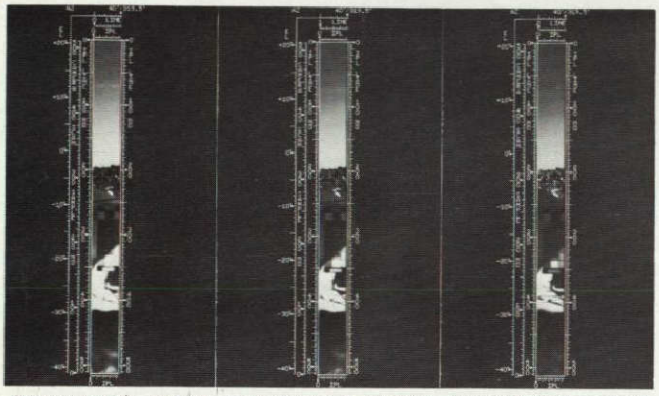
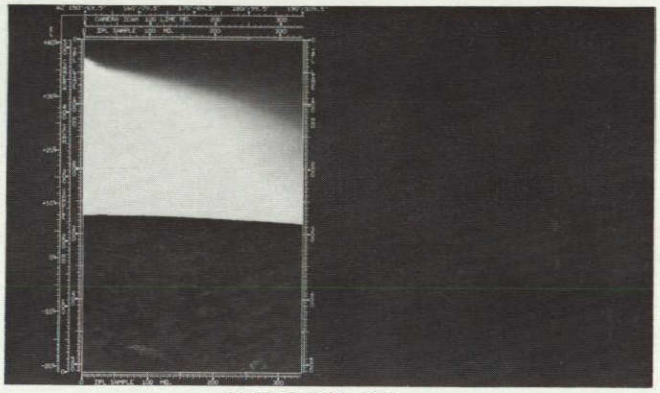
22A097/014 BB3 2/3



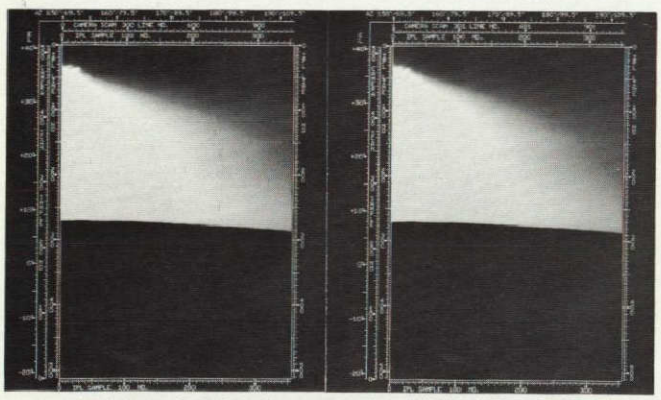
22A097/014 BB3 3/3 21A098/014 BB1



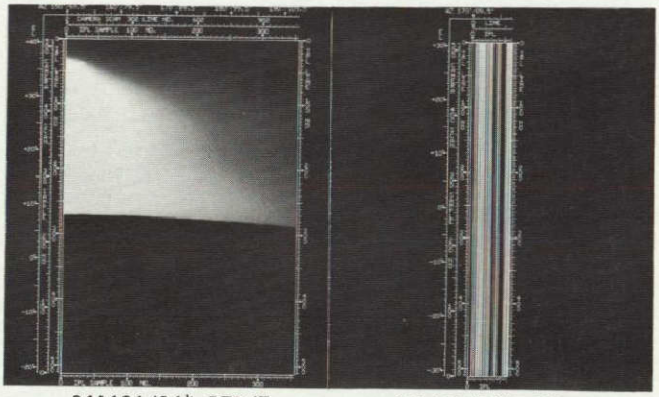
21A099/014 BLU/T 21A099/014 GRN/T 21A099/014 RED/T



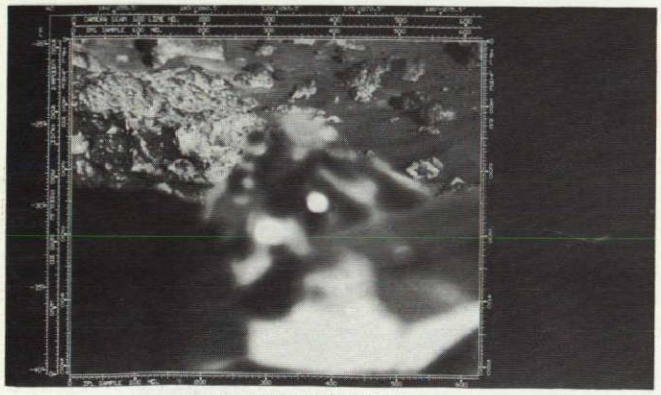
21A100/014 IR2



21A101/014 BLU/T 21A101/014 GRN/T

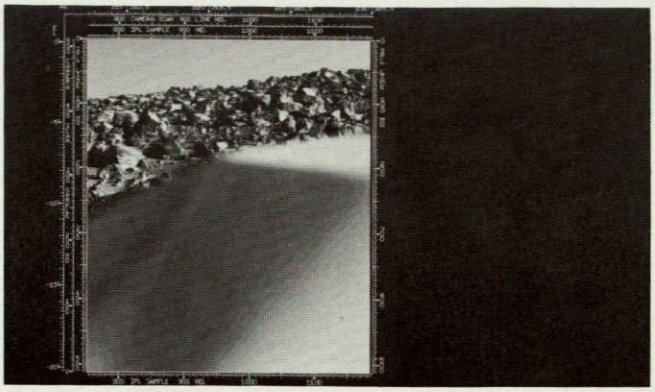


21A101/014 RED/T 21A102/014 CAL

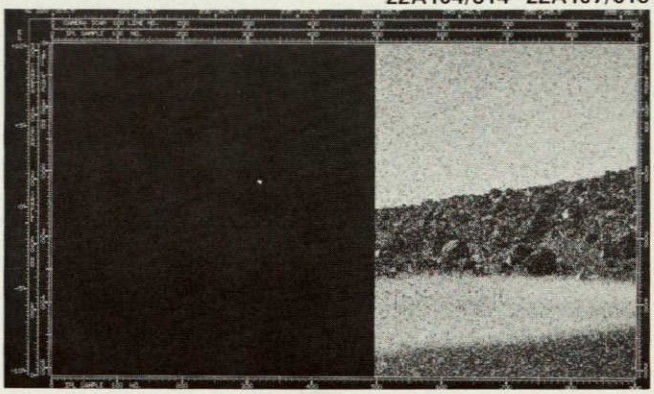


22A103/014 BB2

22A104/014 BB4 1/2

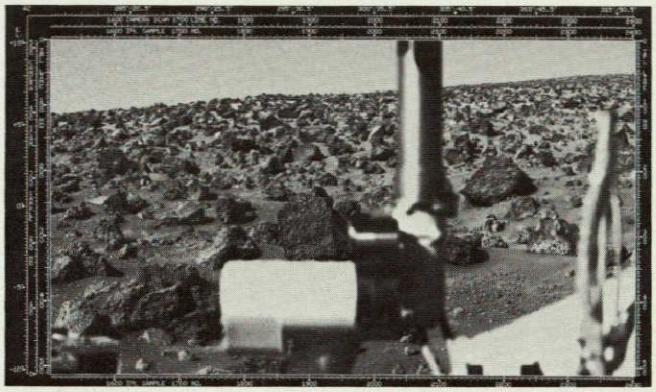


22A104/014 BB4 2/2

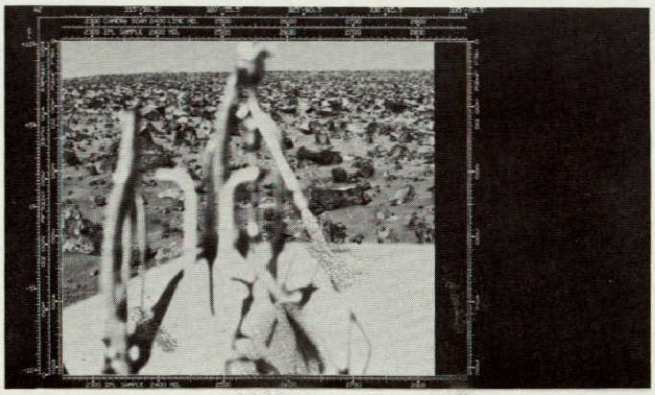


22A105/015 BB4 1/4

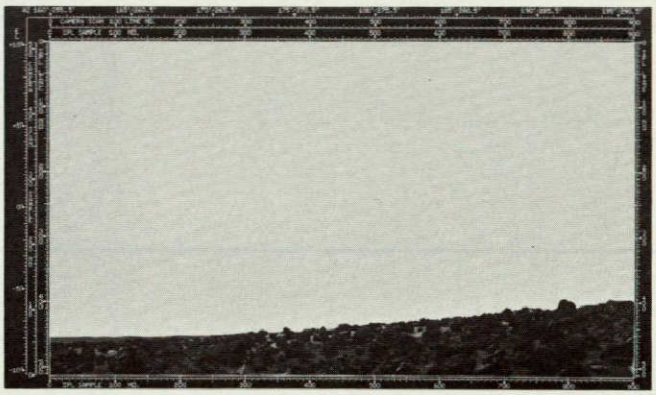
22A105/015 BB4 2/4



22A105/015 BB4 3/4

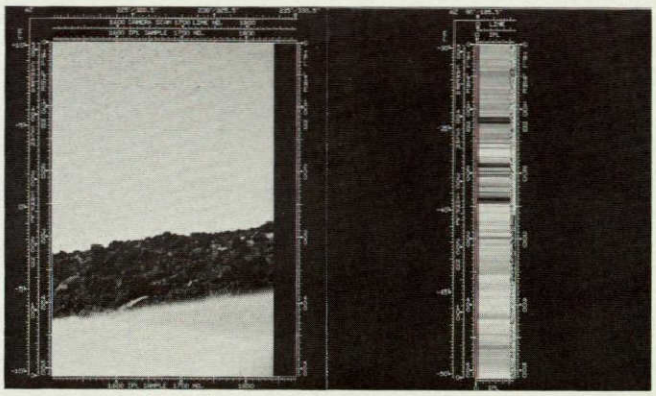


22A105/015 BB4 4/4



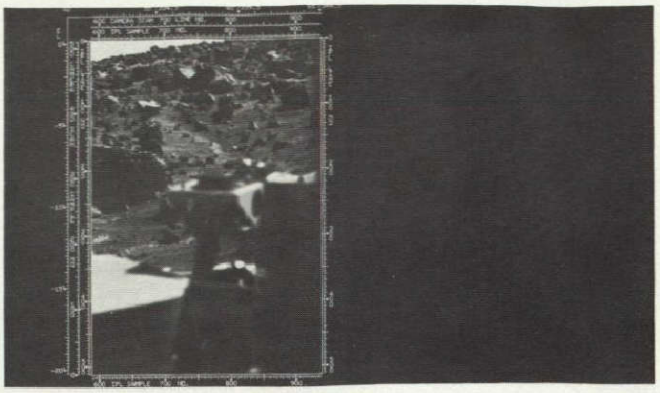
22A106/015 BB4 1/3

22A106/015 BB4 2/3

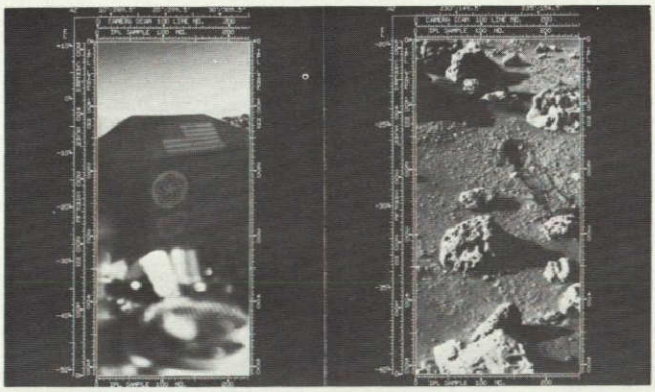


22A106/015 BB4 3/3 22A107/015 BB1

21A108/015 BB4 1/2

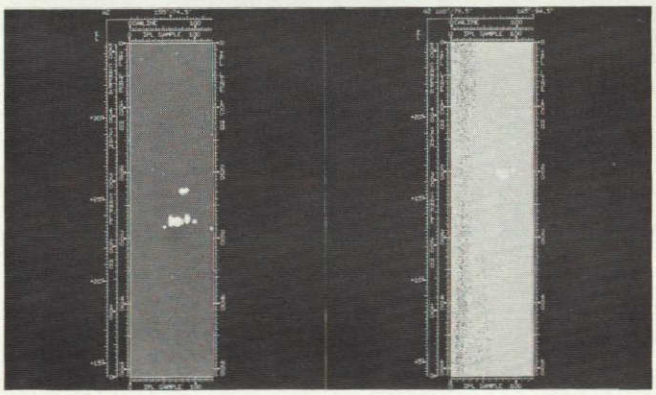


21A108/015 BB4 2/2

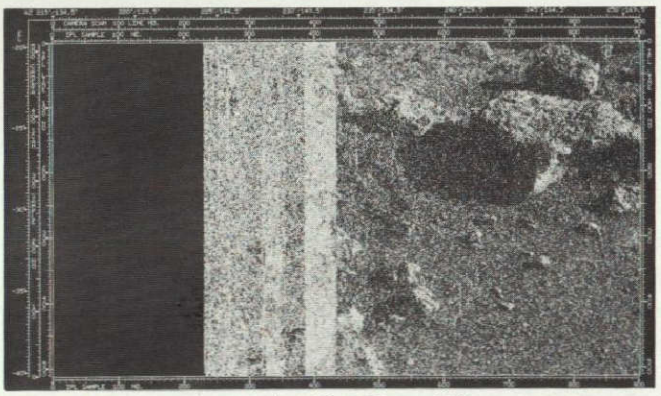


21A109/015 SURV 21A110/015 BB2

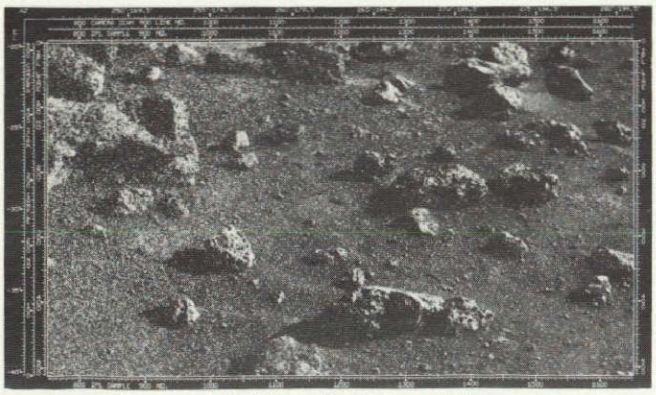
21A111/015 BB3



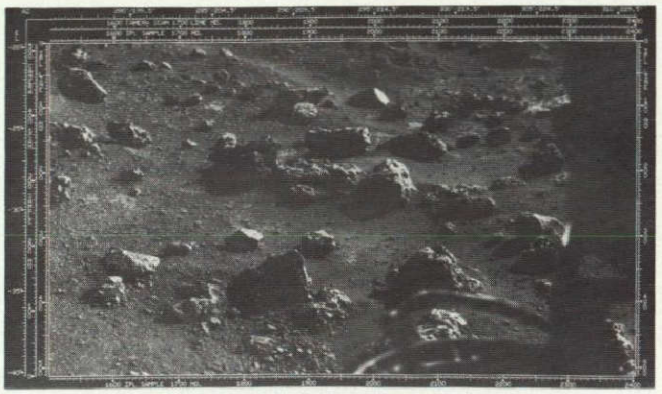
21A112/015 SUN 21A113/015 SUN



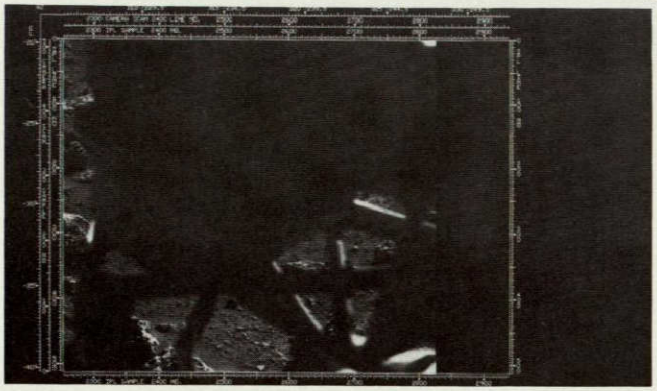
21A114/016 BB2 1/4



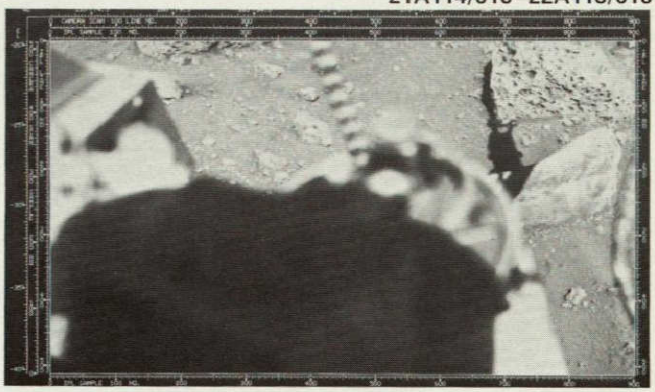
21A114/016 BB2 2/4



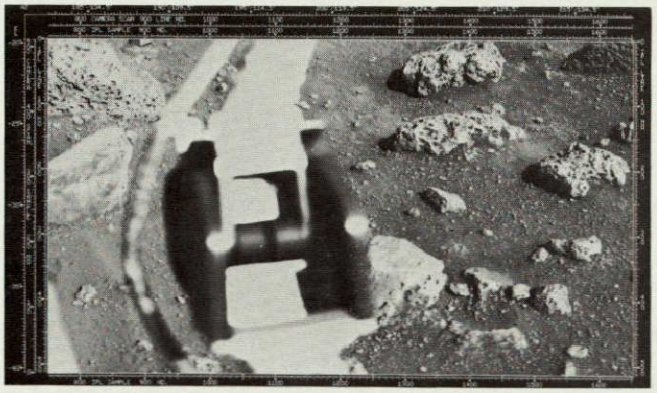
21A114/016 BB2 3/4



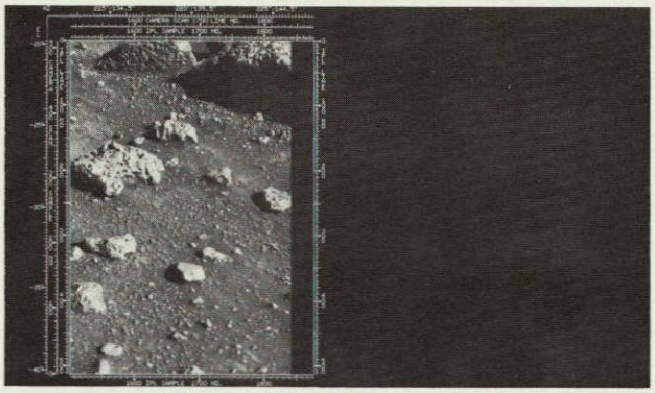
21A114/016 BB2 4/4



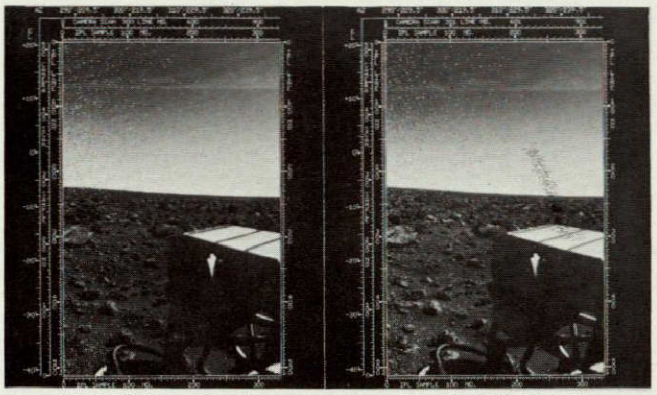
21A115/016 BB2 1/3



21A115/016 BB2 2/3

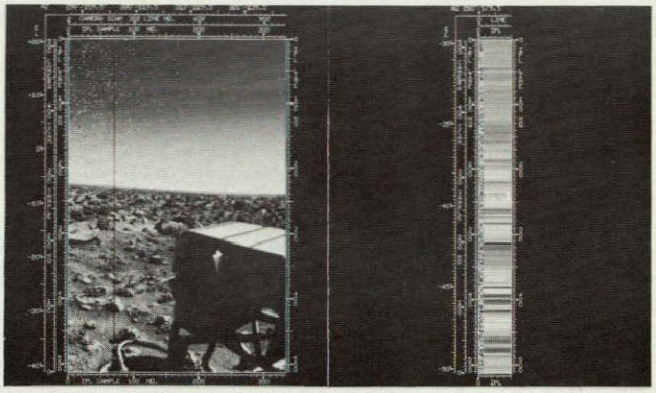


21A115/016 BB2 3/3



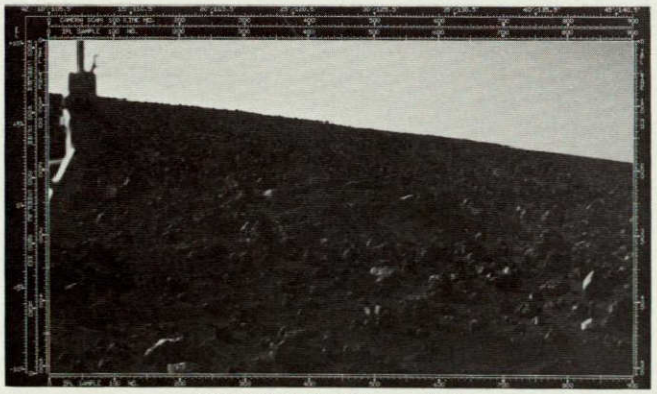
21A116/016 BLU/T

21A116/016 GRN/T



21A116/016 RED/T

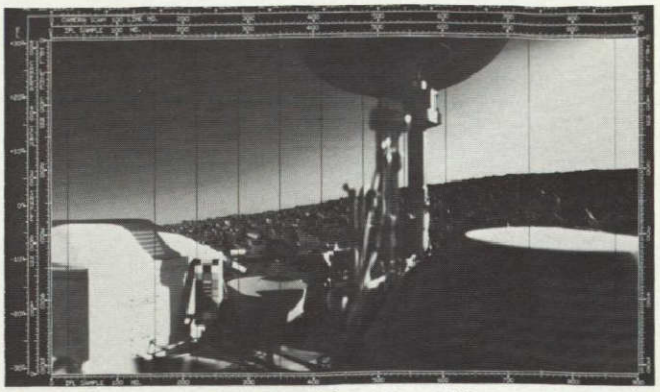
21A117/016 BB1



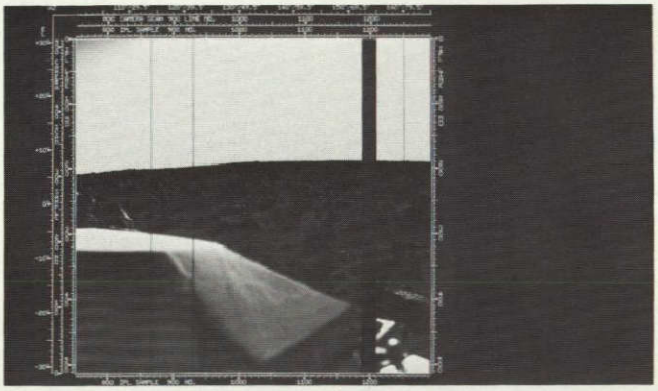
22A118/016 BB4 1/2

22A118/016 BB4 2/2

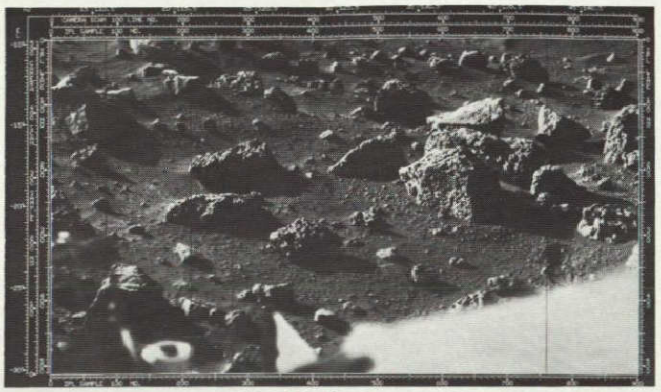
22A119/016 BB3



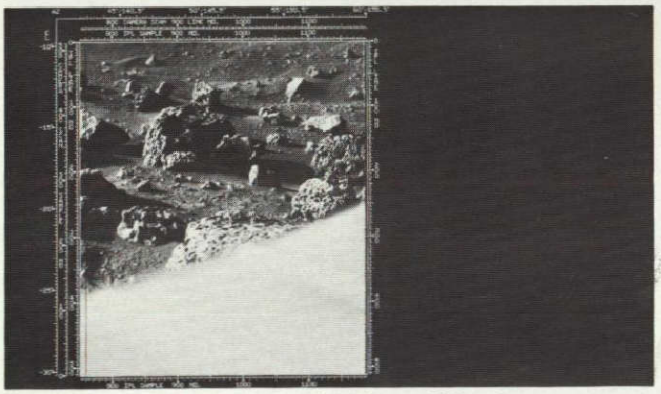
21A120/016 SURV 1/2



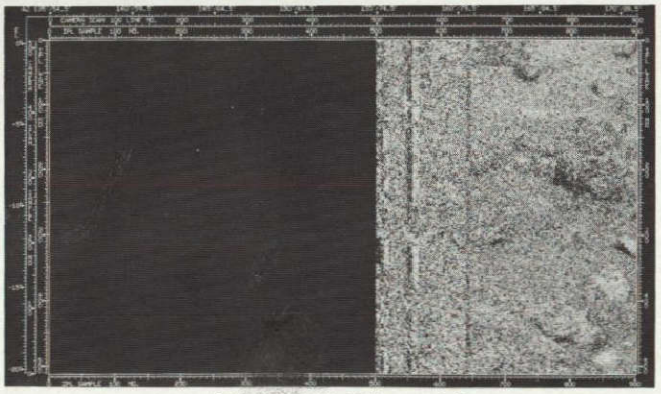
21A120/016 SURV 2/2



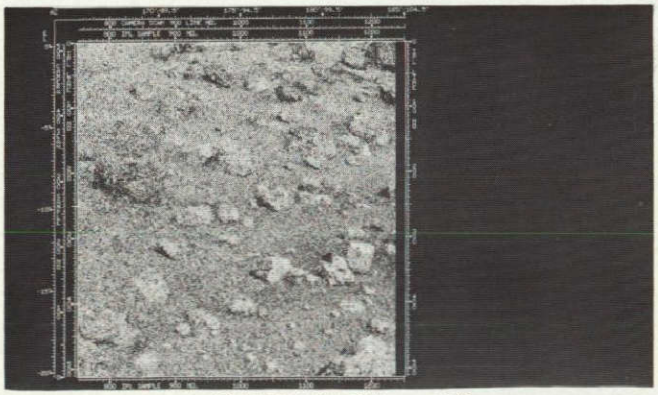
22A121/016 BB3 1/2



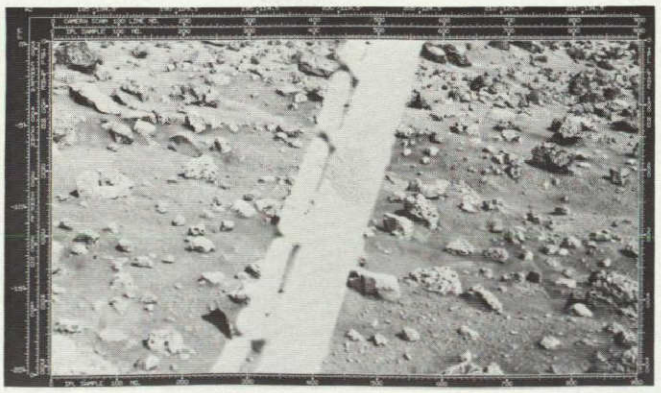
22A121/016 BB3 2/2



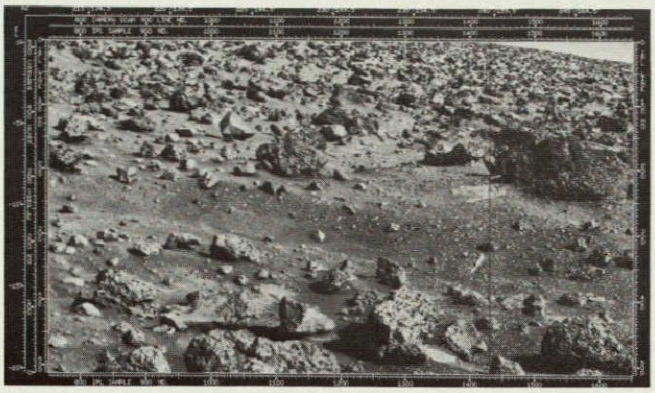
21A122/017 BB4 1/2



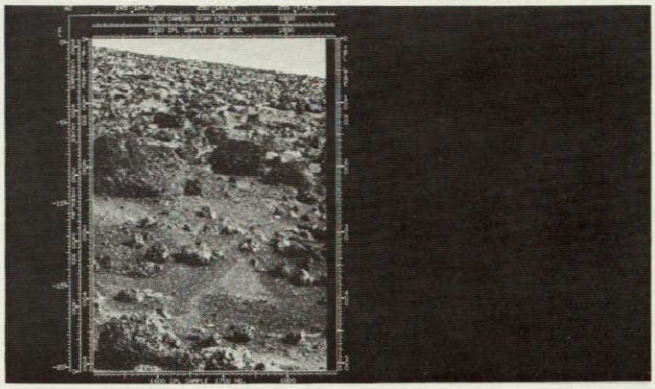
21A122/017 BB4 2/2



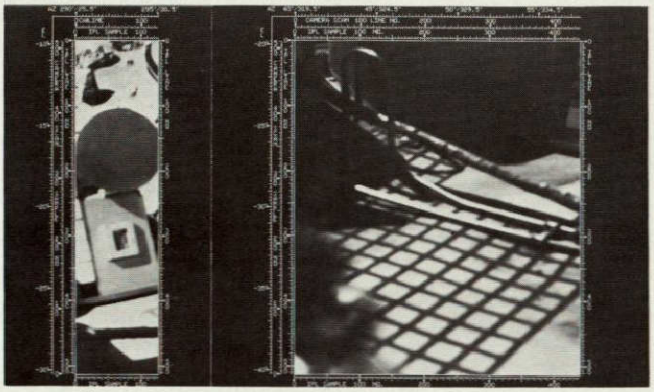
21A123/017 BB4 1/3



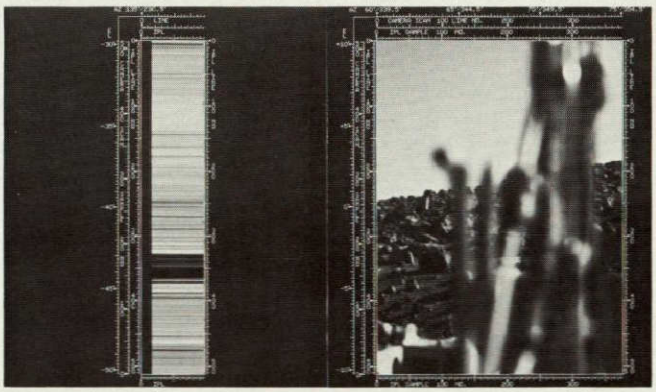
21A123/017 BB4 2/3



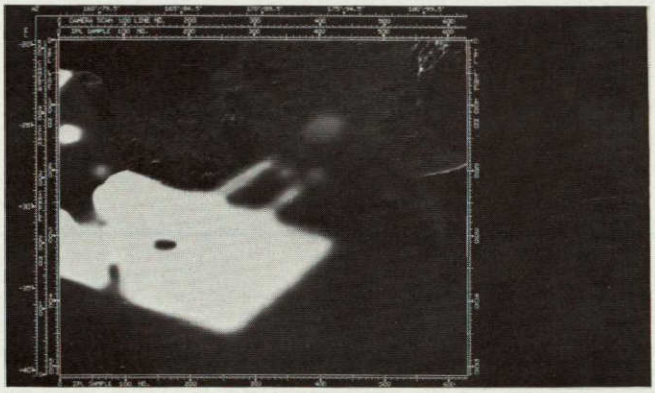
21A123/017 BB4 3/3



22A124/017 BB1 21A125/017 BB1



22A126/017 BB1 21A127/017 BB4



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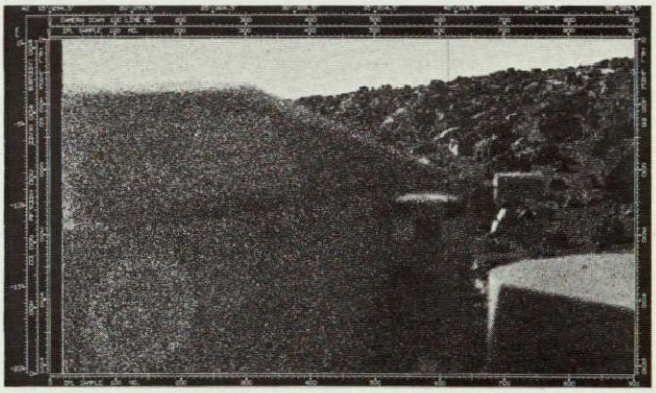
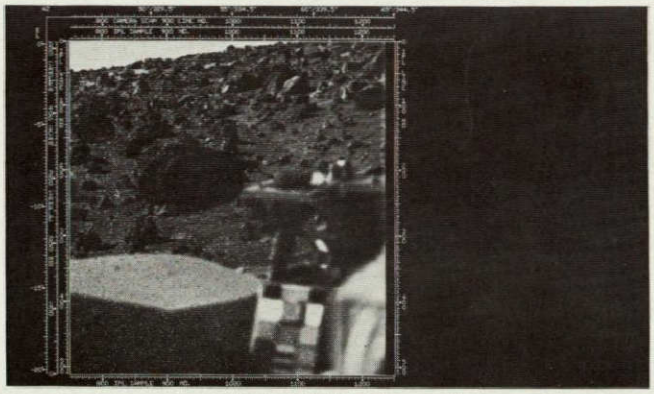
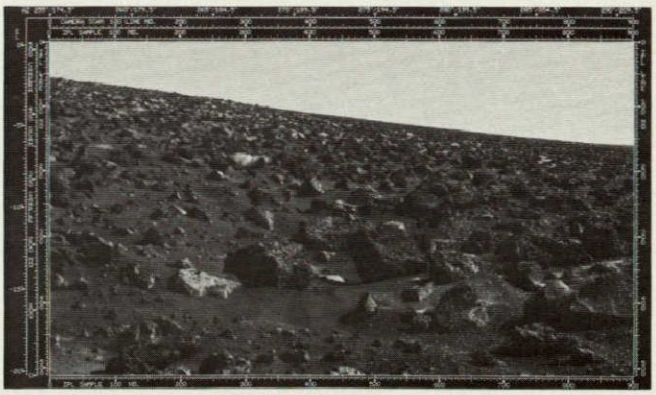


21A129/018 BB4 1/2



21A129/018 BB4 2/2



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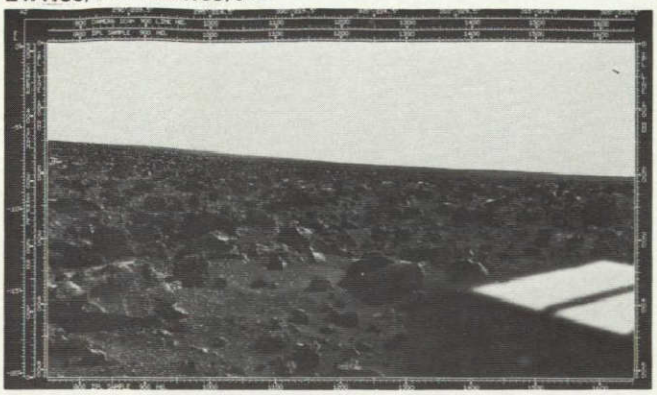
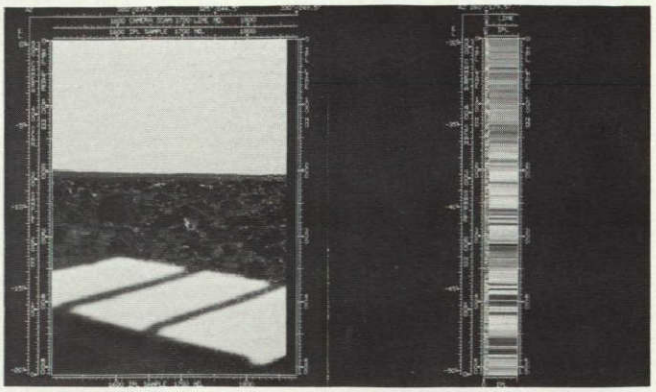
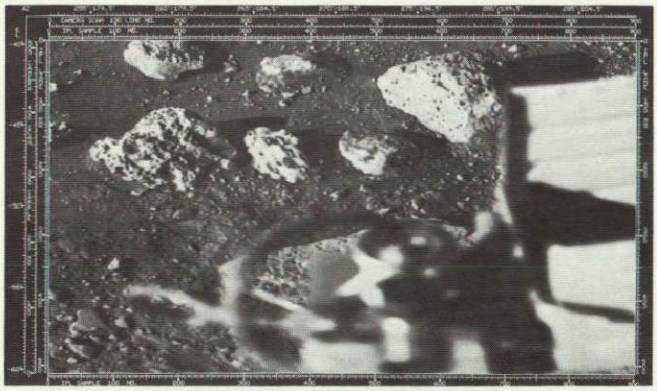


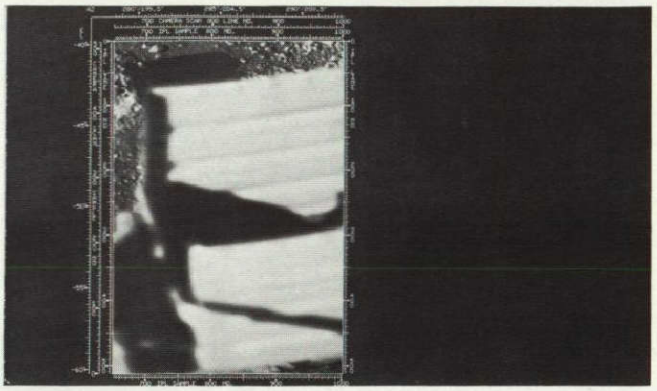
21A130/018 BB4 2/3



21A130/018 BB4 3/3 21A131/018 BB1



21A132/018 BB1 1/2



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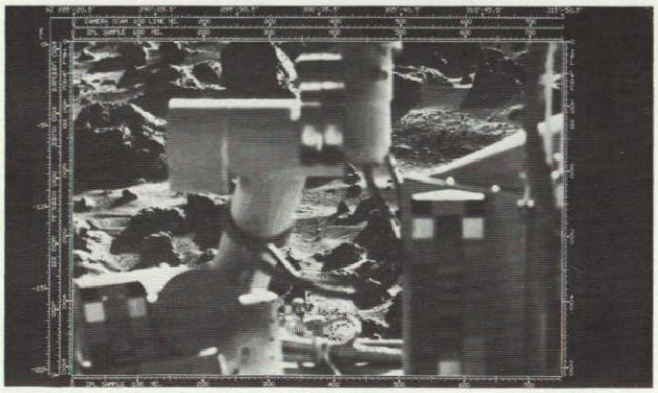
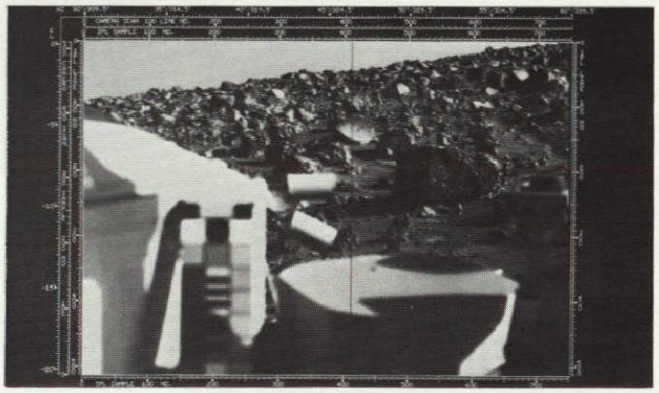
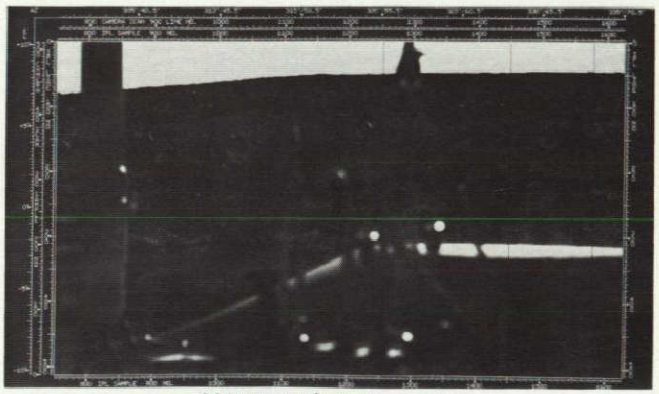


22A133/018 BB3

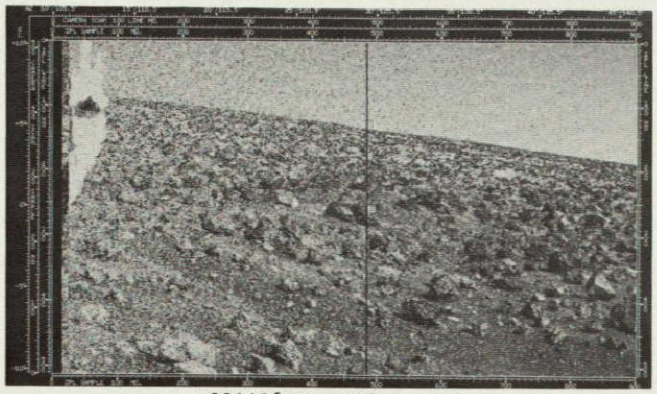


21A134/018 BB4

22A135/018 BB4 1/2

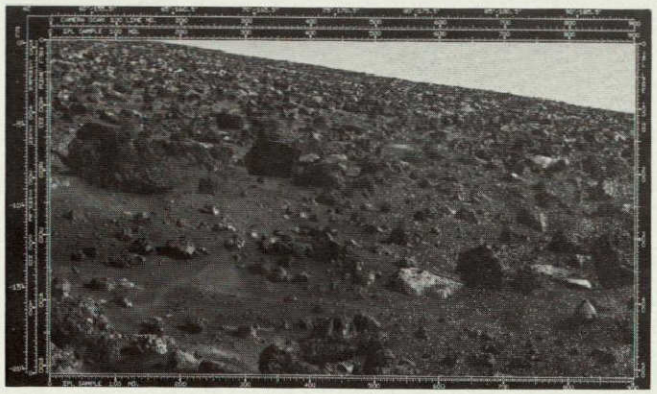


22A135/018 BB4 2/2



22A136/019 BB4 1/2

22A136/019 BB4 2/2



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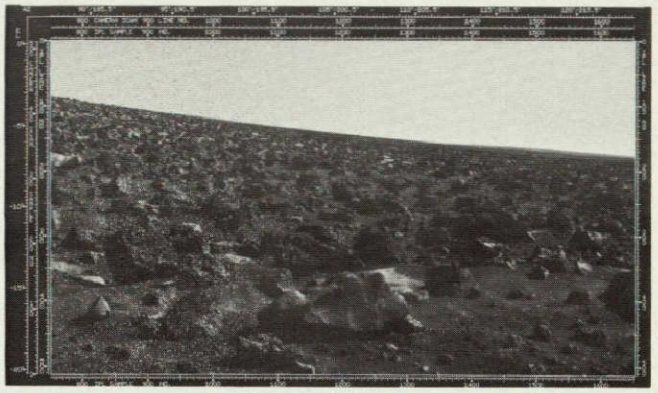

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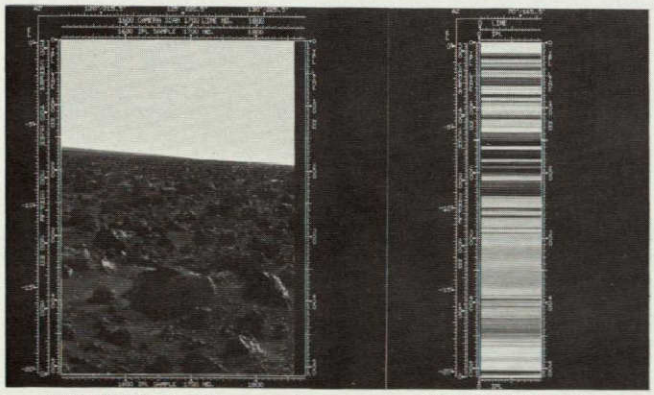

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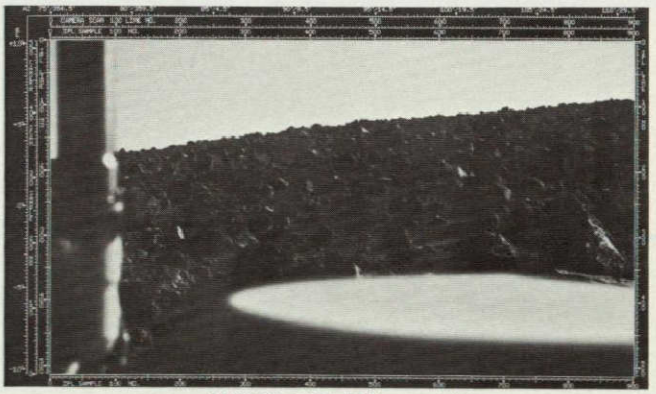

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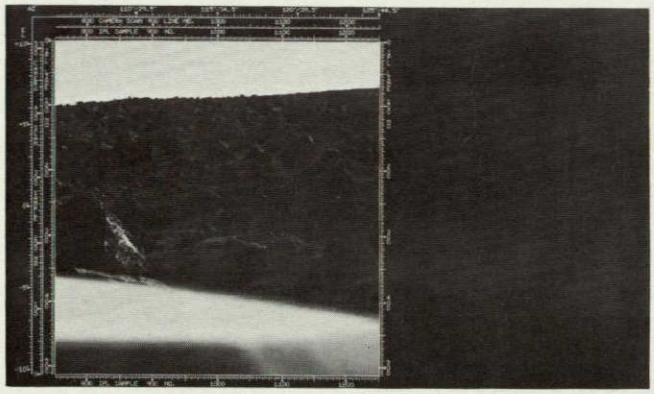
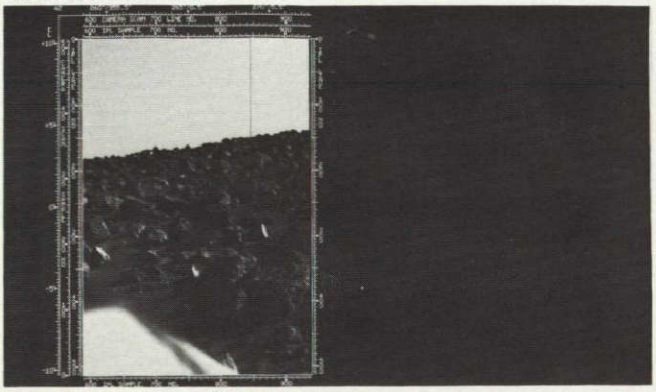


21A139/019 BB4 2/2

22A140/019 BB4 1/2

VL-2



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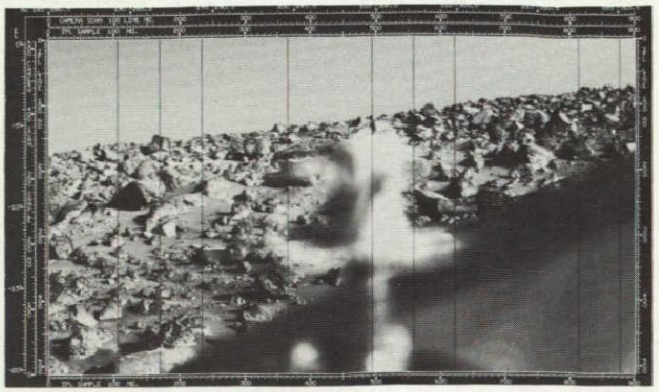

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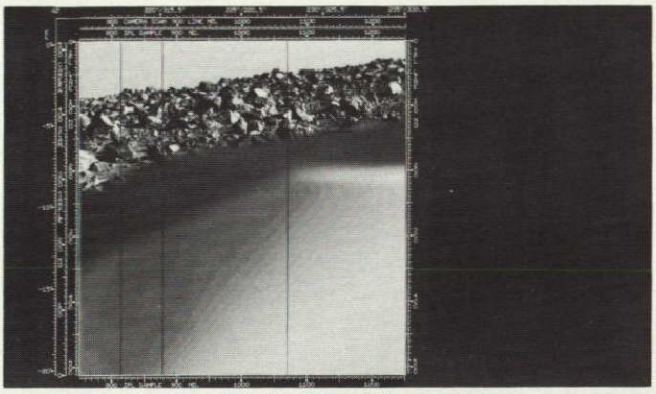

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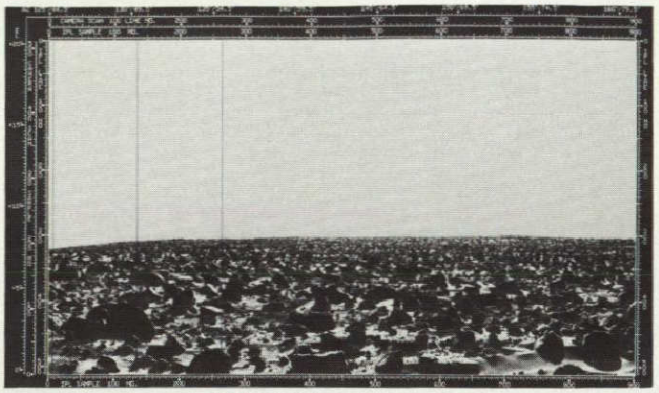

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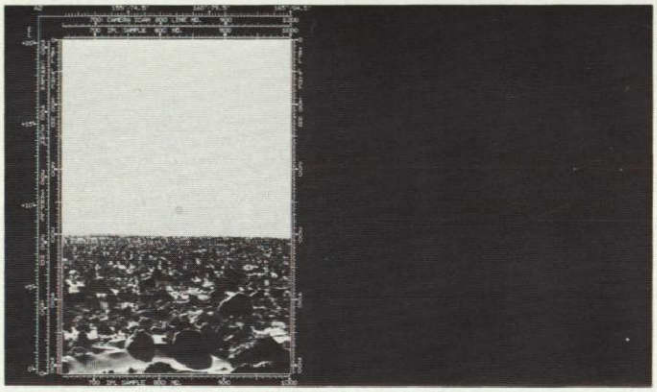
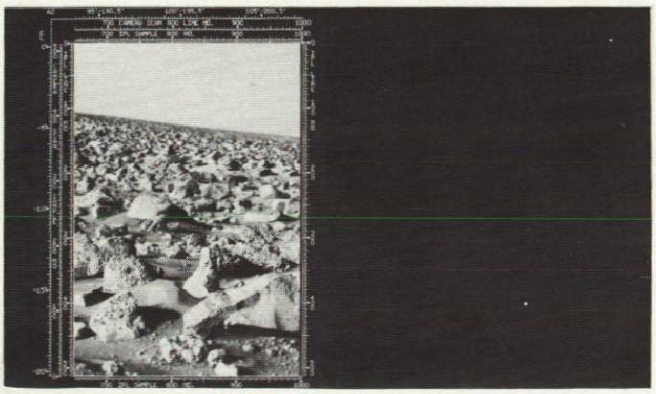


21A142/019 BB4 2/2

22A143/019 BB4 1/2



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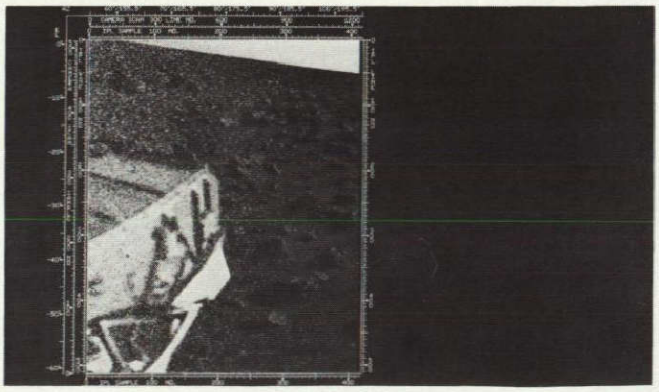

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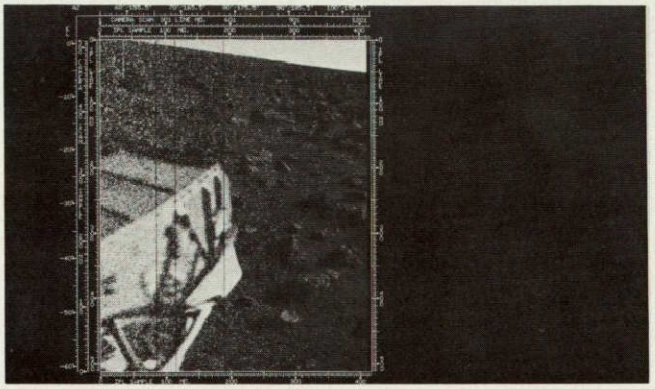
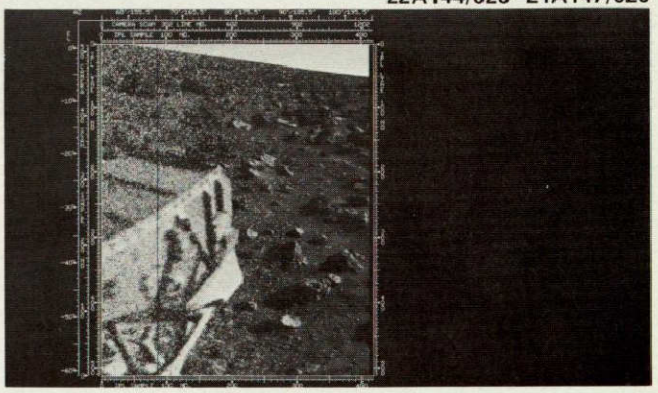
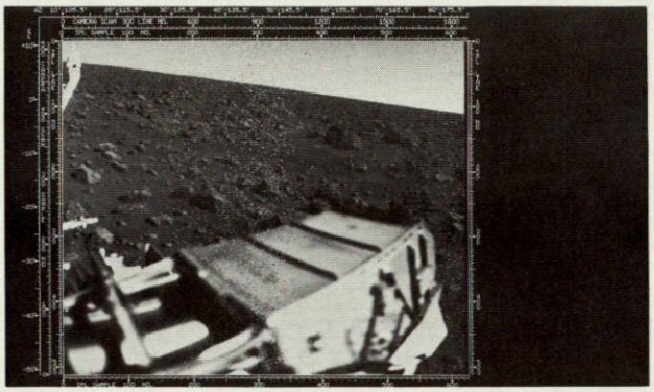


22A144/020 GRN/T



22A144/020 RED/T



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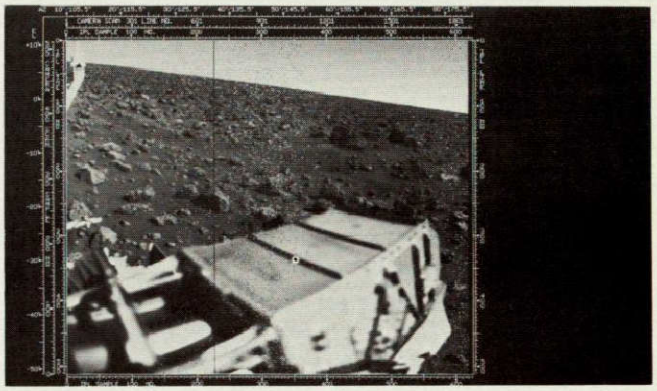
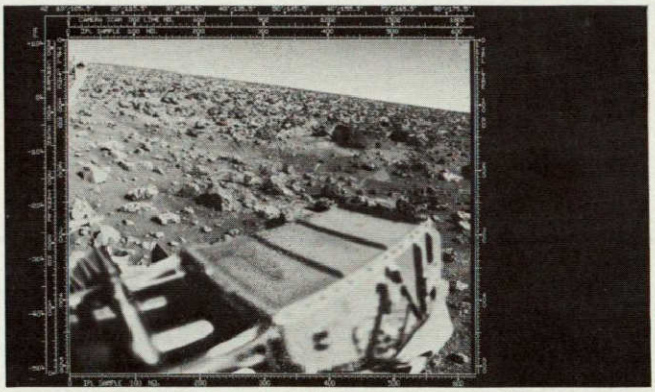
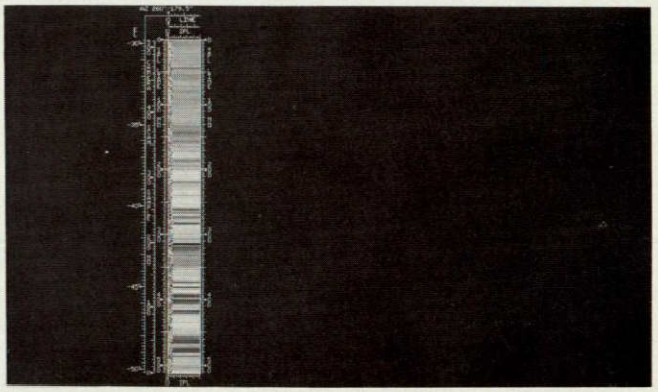


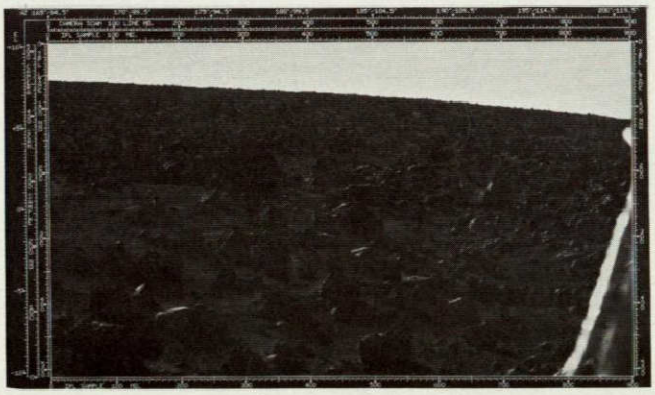
22A145/020 GRN/T



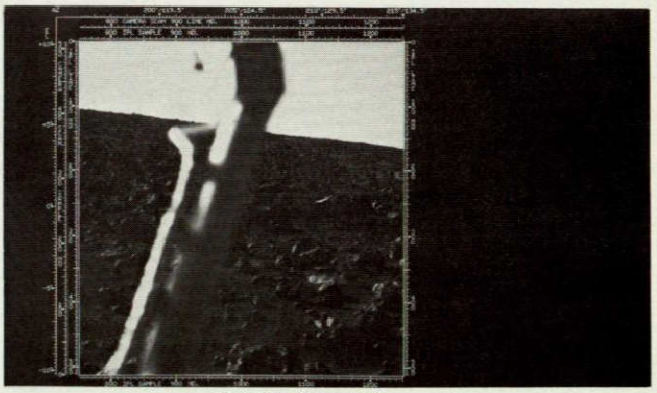
22A145/020 RED/T



21A146/020 BB1

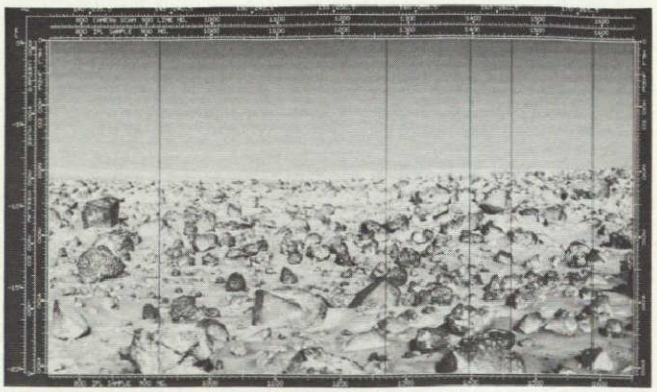


21A147/020 BB4 1/2

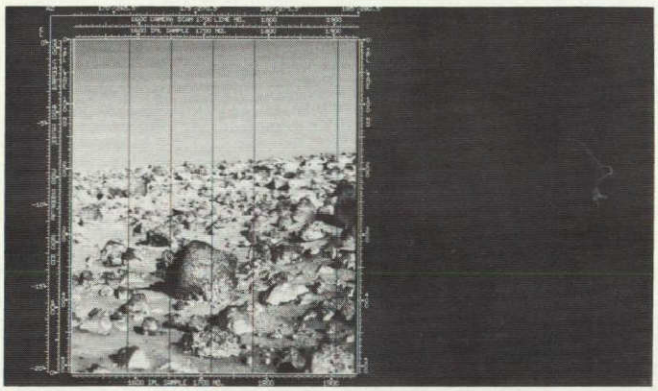


21A147/020 BB4 2/2

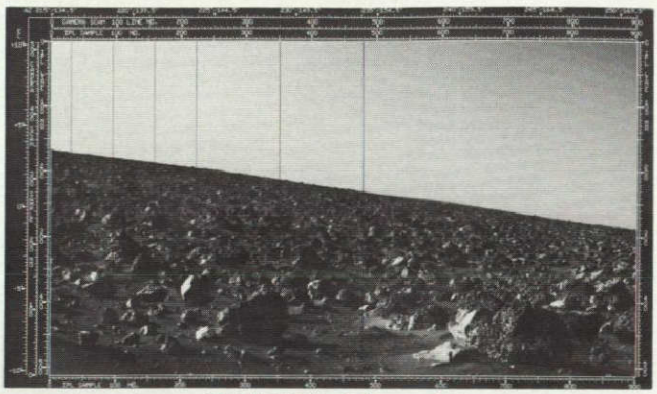
22A148/020 BB4 1/3



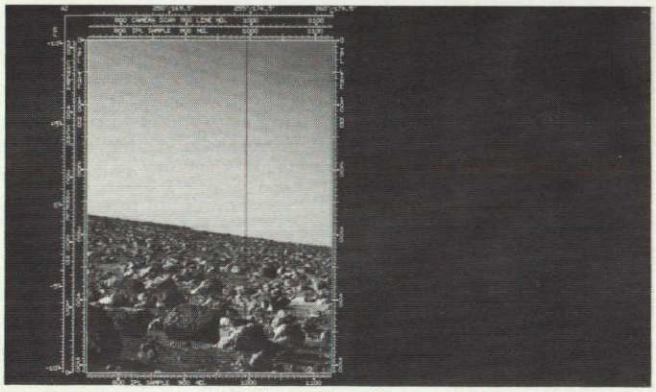
22A148/020 BB4 2/3



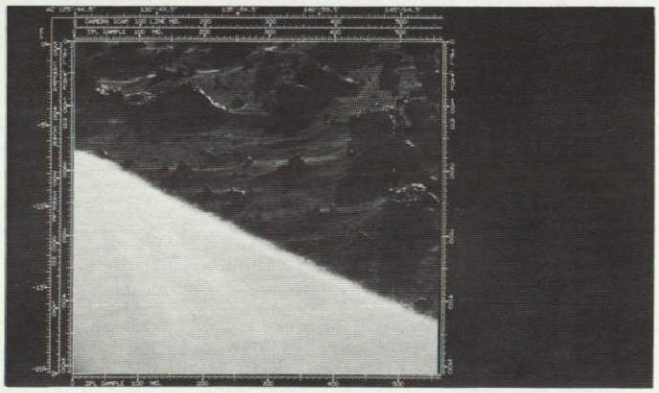
22A148/020 BB4 3/3



21A149/020 BB4 1/2

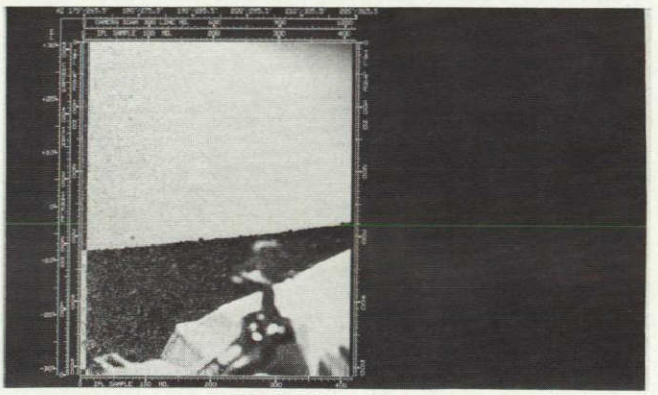


21A149/020 BB4 2/2

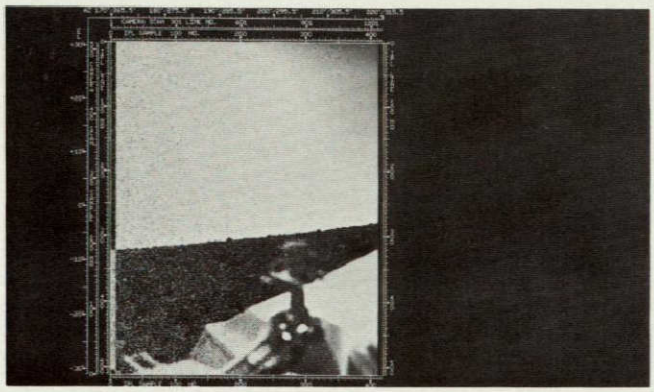


21A150/020 BB3

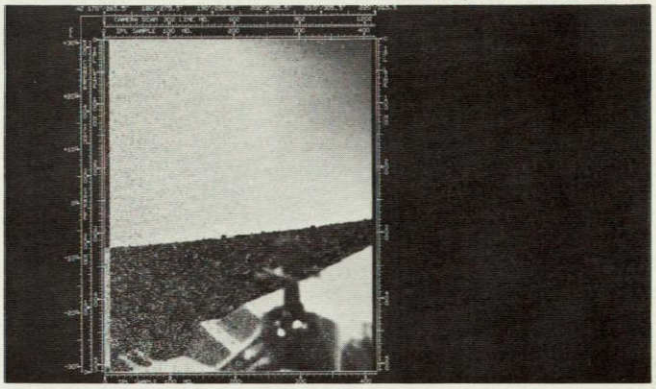
21A151/020 BB4



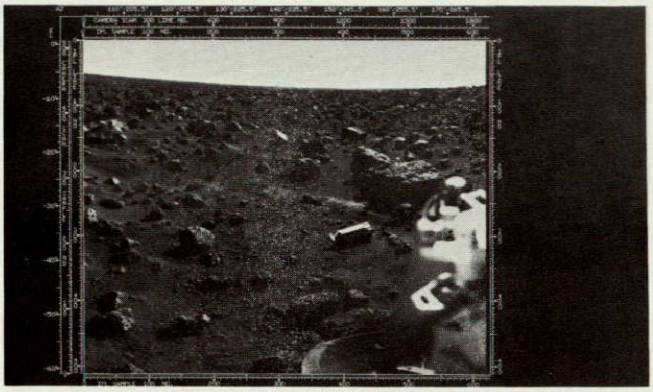
22A152/021 BLU/T



22A152/021 GRN/T

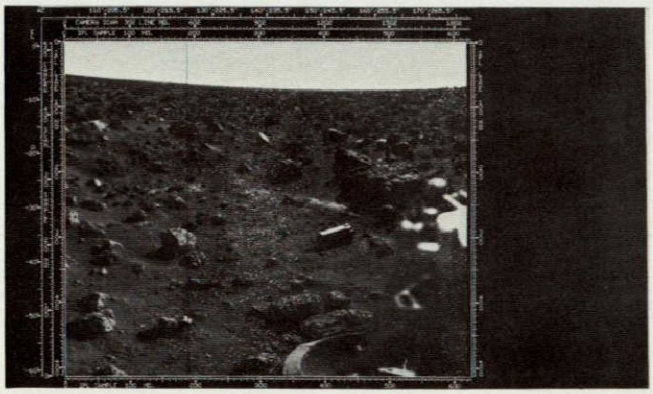


22A152/021 RED/T

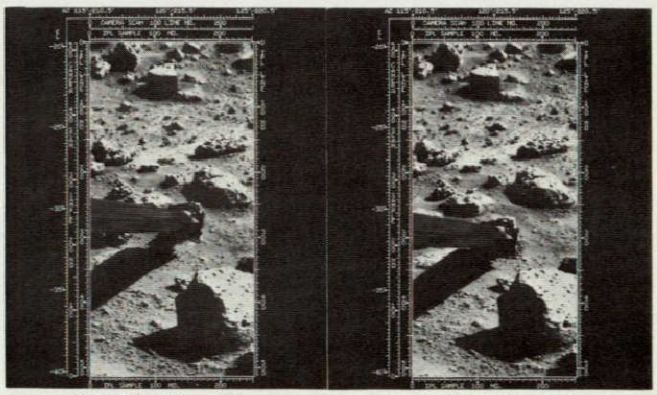


22A153/021 BLU/T

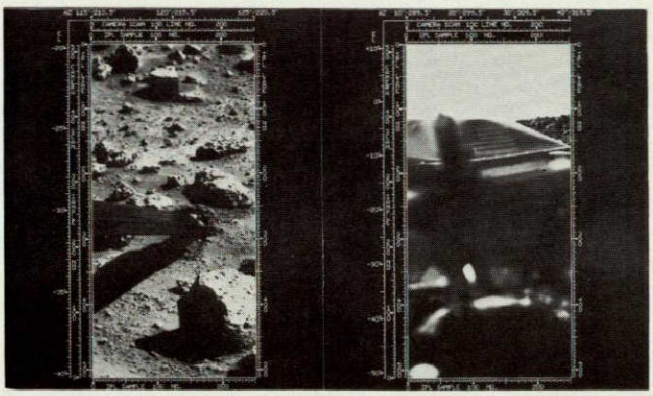
22A153/021 GRN/T



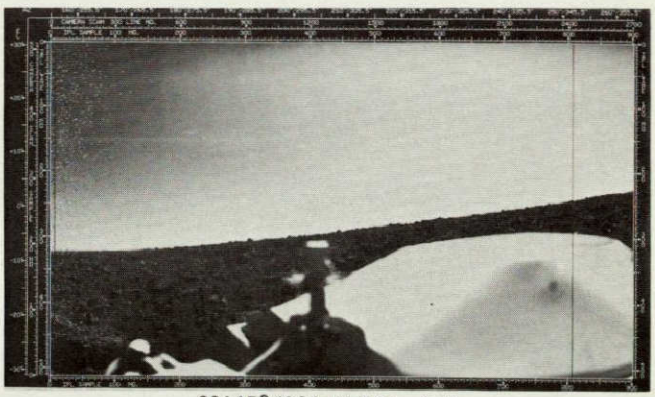
22A153/021 RED/T



22A154/021 BB2 22A155/021 BB2



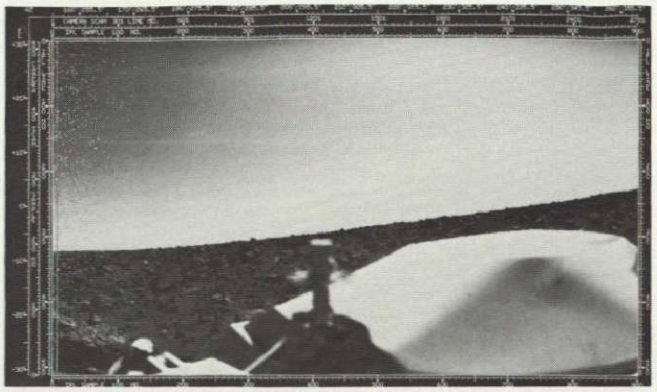
22A156/021 BB2 21A157/021 SURV



22A158/021 BLU/T 1/2

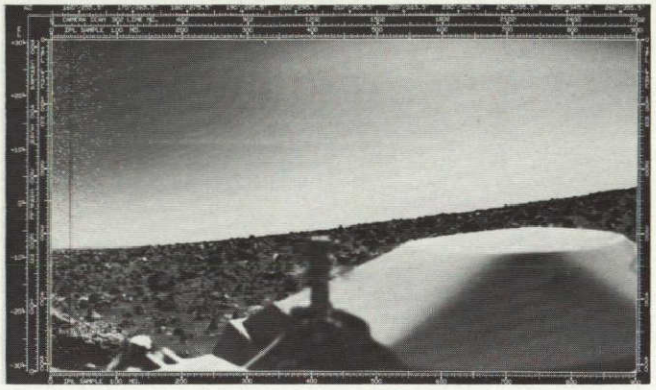
VL-2

22A158/021 BLU/T 2/2

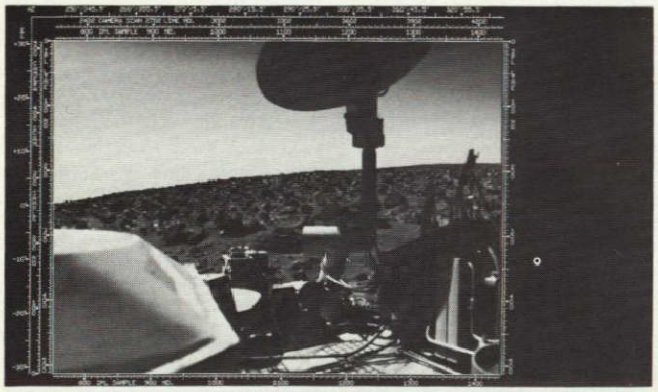


22A158/021 GRN/T 1/2

22A158/021 GRN/T 2/2



22A158/021 RED/T 1/2



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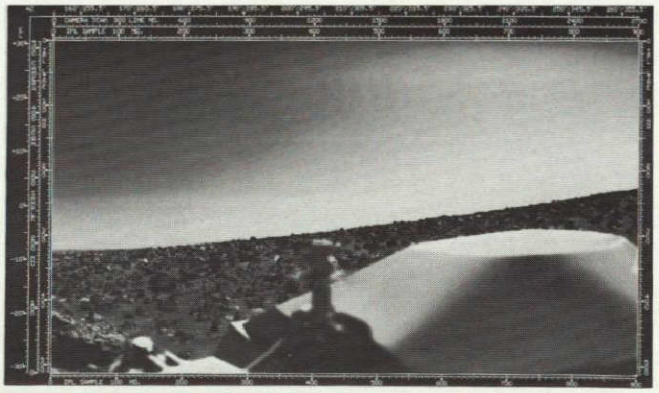
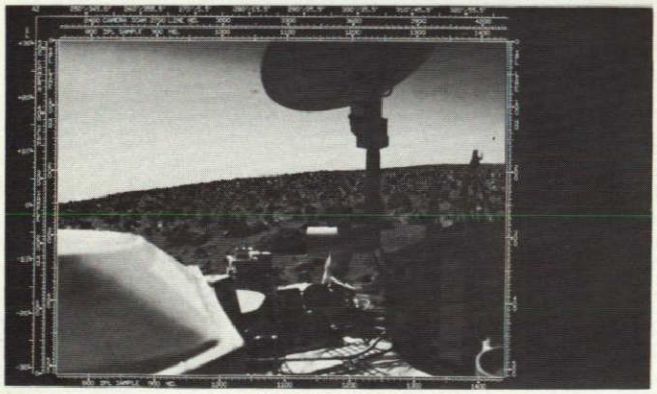
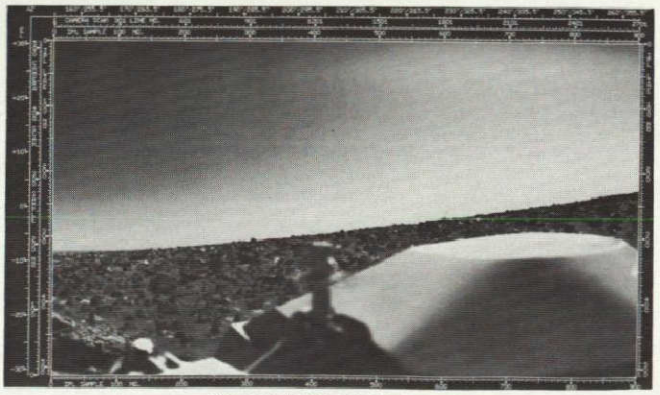


22A159/021 IR3/T 1/2

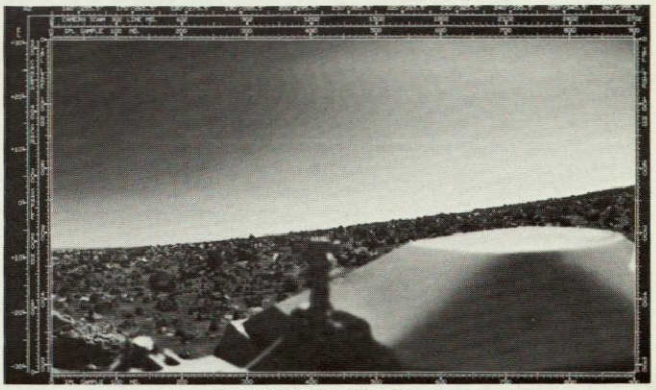


22A159/021 IR3/T 2/2



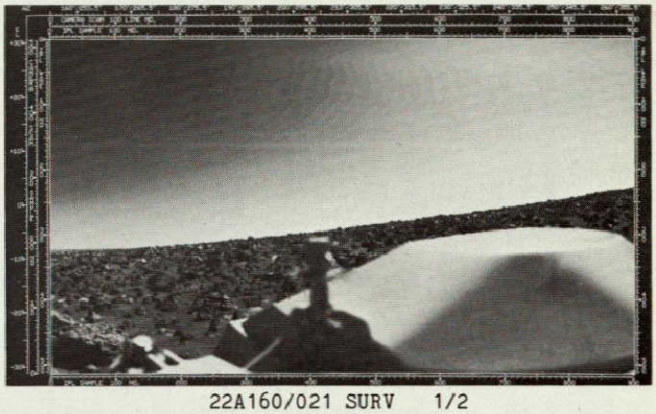
22A159/021 IR2/T 1/2

22A159/021 IR2/T 2/2

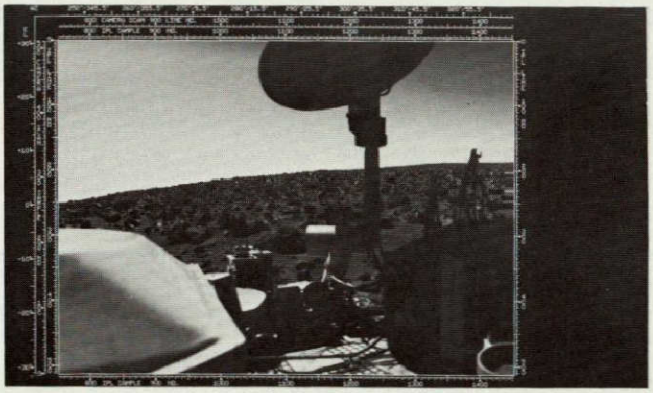


22A159/021 IR1/T 1/2

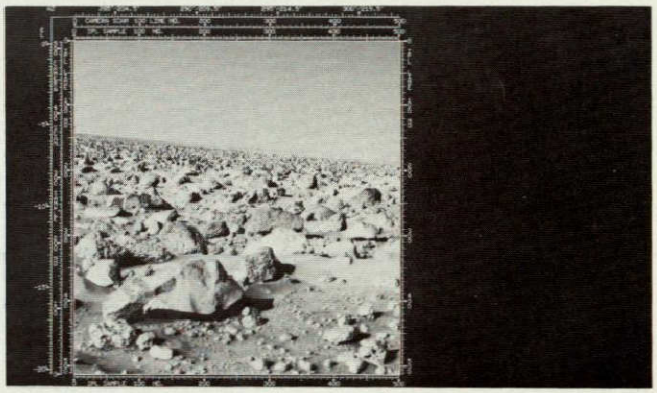
22A159/021 IR1/T 2/2



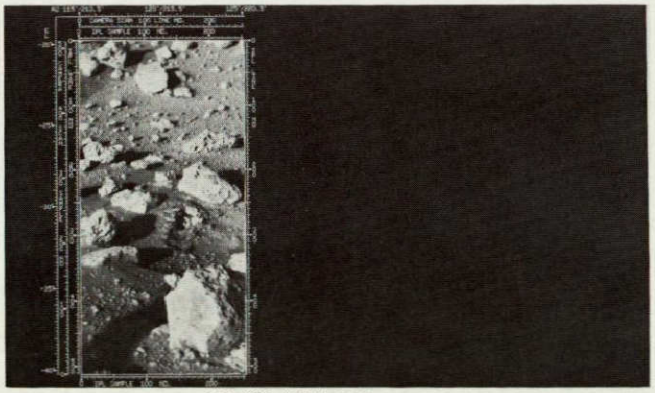
22A160/021 SURV 1/2



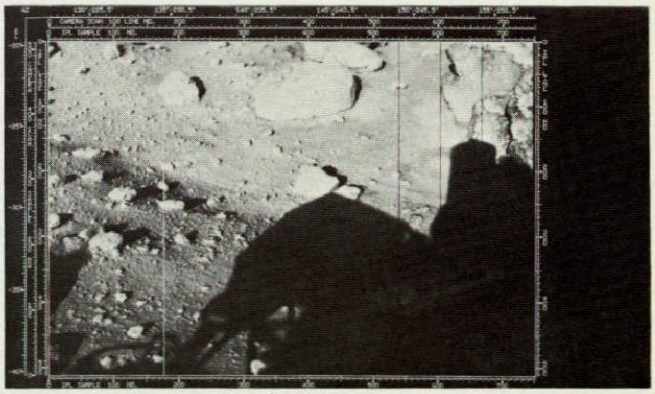
22A160/021 SURV 2/2



21A161/021 BB4

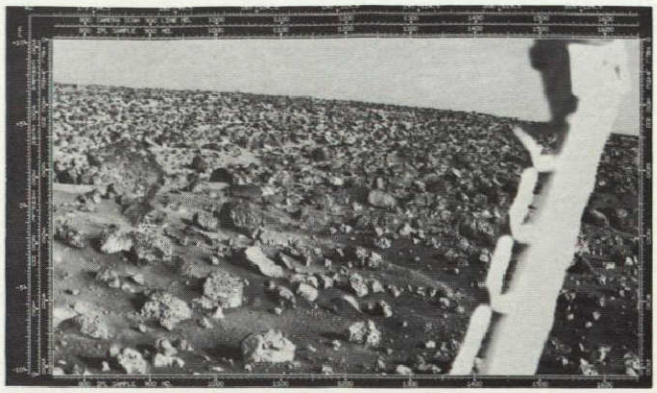


22A162/021 BB2

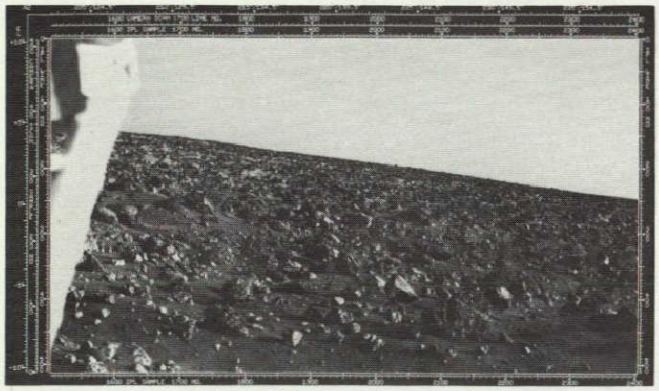


22A163/021 BB2

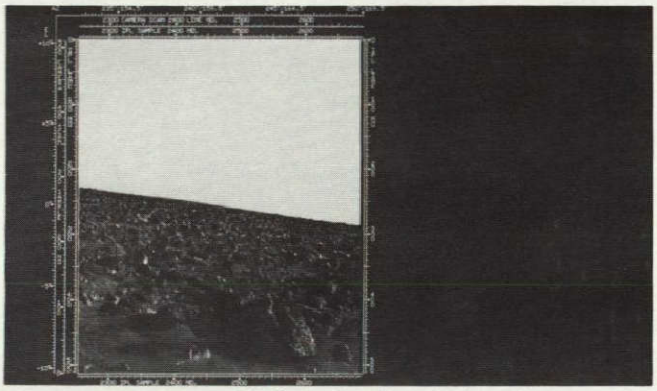
21A164/022 BB4 1/4



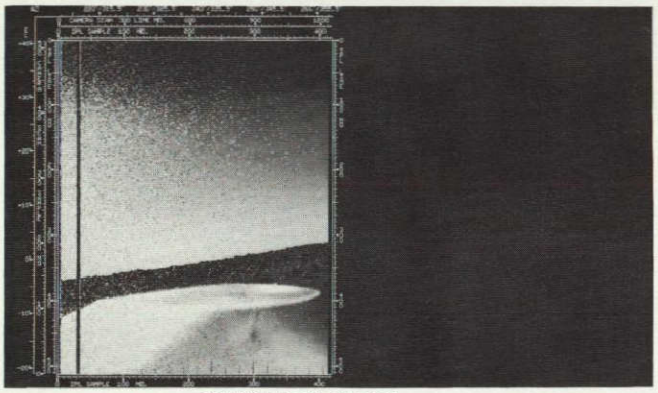
21A164/022 BB4 2/4



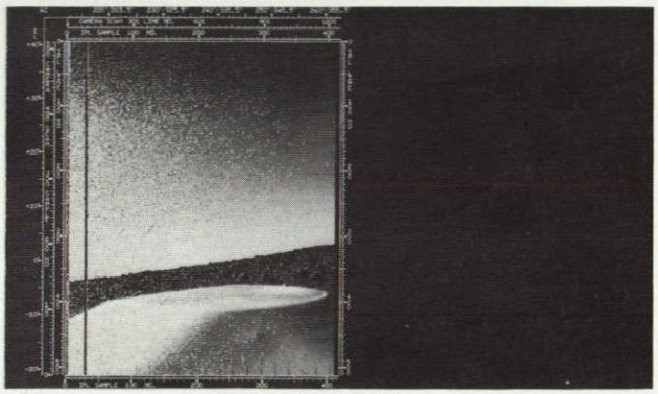
21A164/022 BB4 3/4



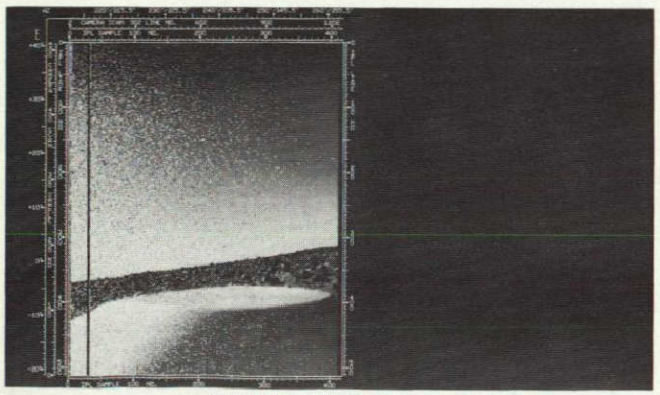
21A164/022 BB4 4/4



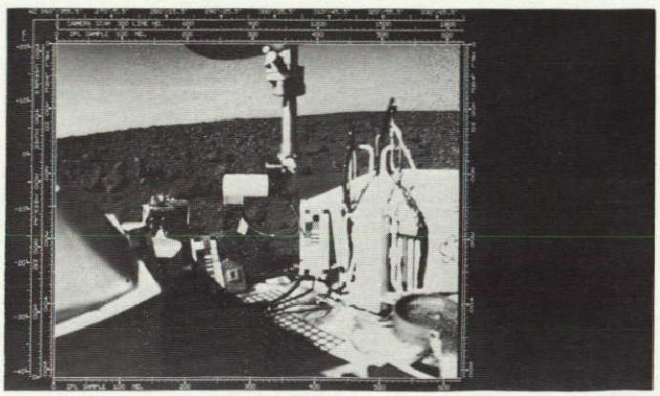
22A165/022 BLU/T



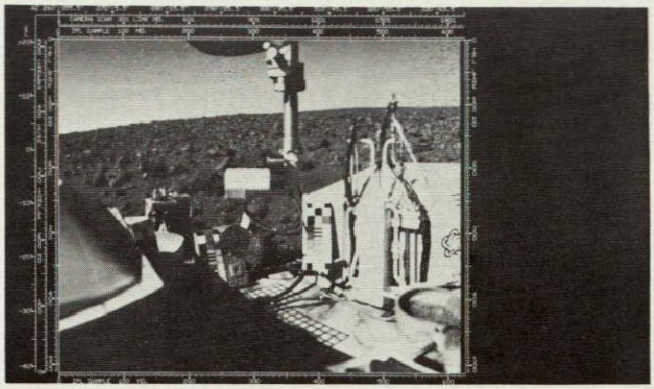
22A165/022 GRN/T



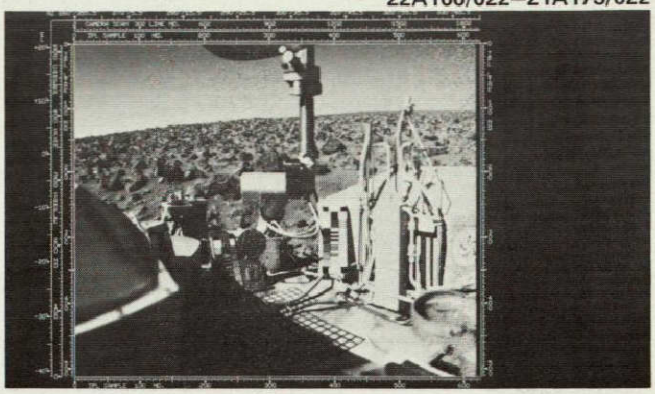
22A165/022 RED/T



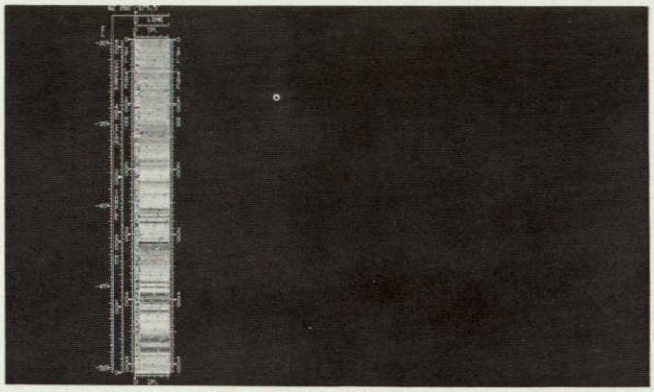
22A166/022 BLU/T



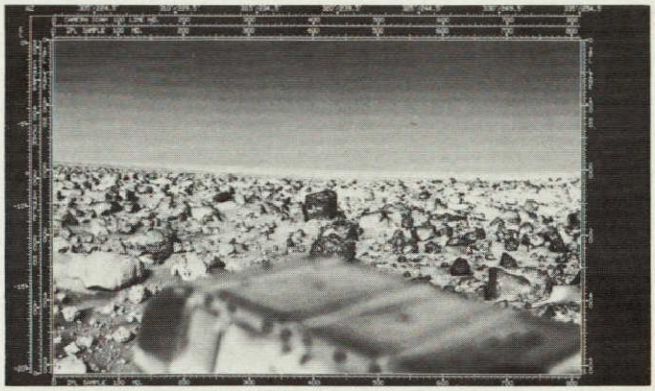
22A166/022 GRN/T



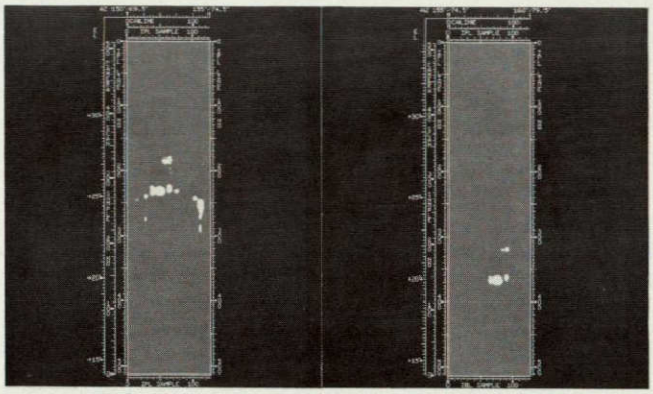
22A166/022 RED/T



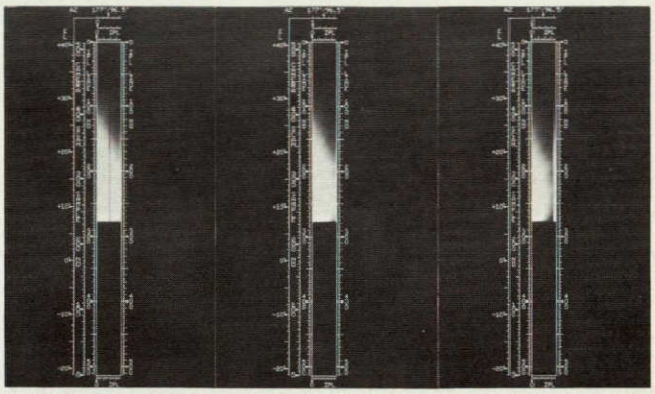
21A167/022 BB1



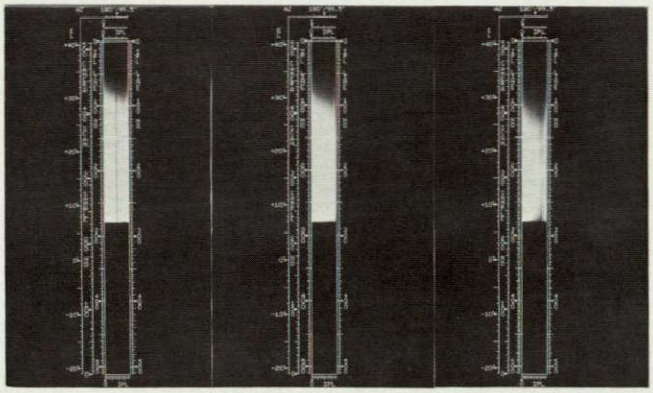
21A168/022 BB4



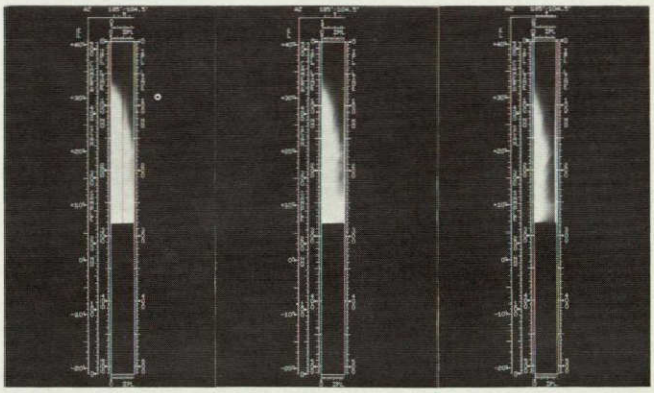
21A169/022 SUN | 21A170/022 SUN



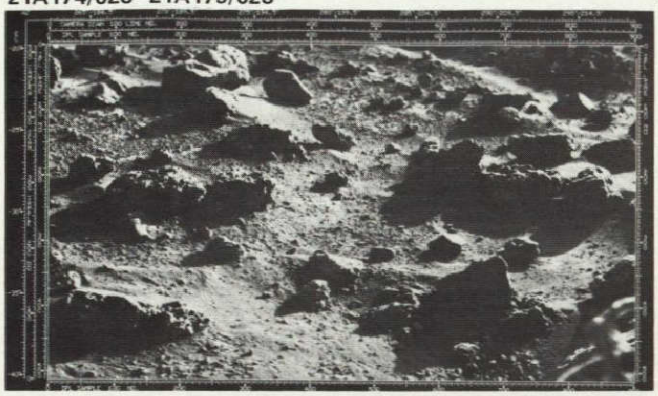
21A171/022 BLU/T | 21A171/022 GRN/T | 21A171/022 RED/T



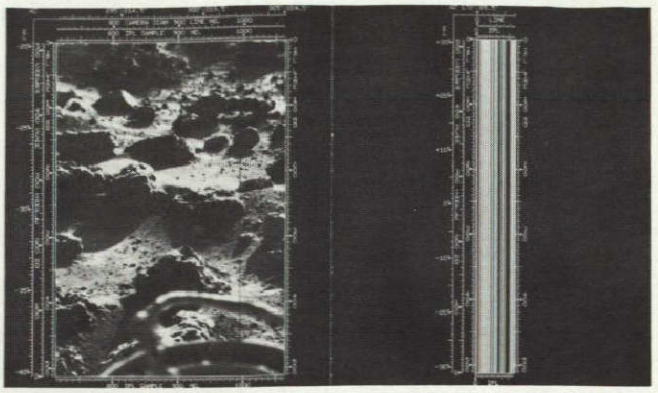
21A172/022 BLU/T | 21A172/022 GRN/T | 21A172/022 RED/T



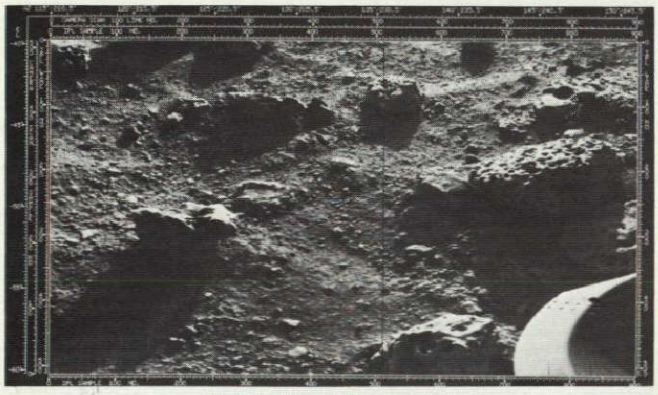
21A173/022 BLU/T | 21A173/022 GRN/T | 21A173/022 RED/T



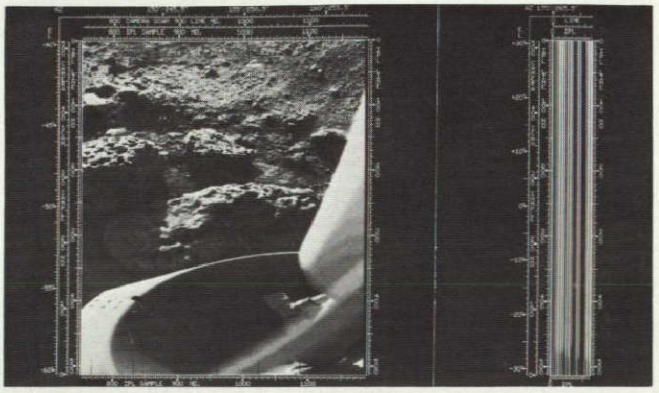
21A174/023 BB2 1/2



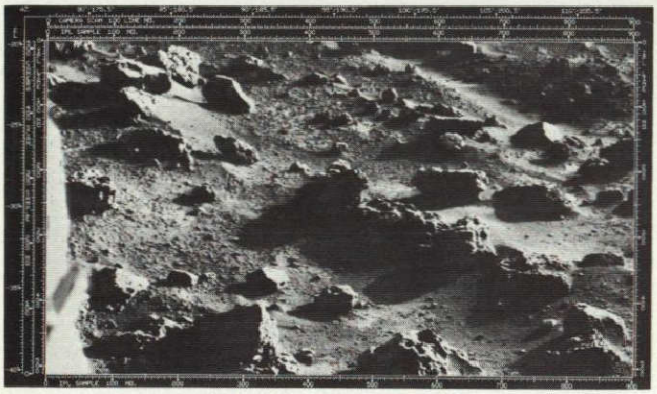
21A174/023 BB2 2/2 21A175/023 CAL



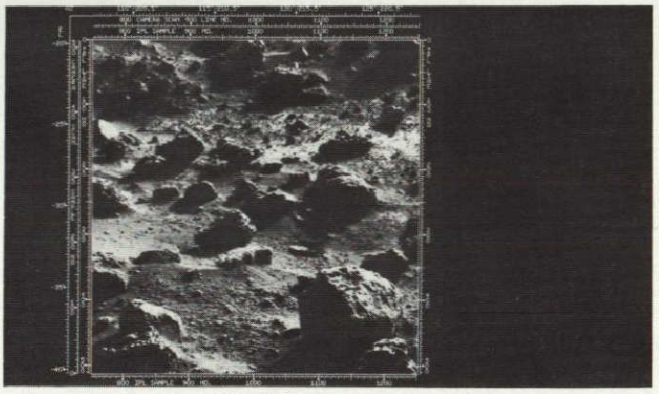
22A176/023 BB1 1/2



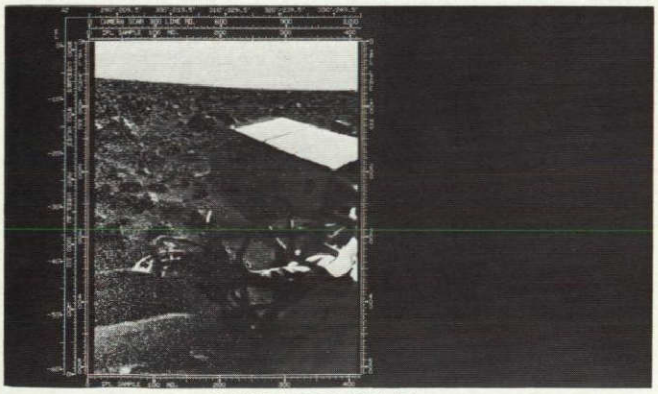
22A176/023 BB1 2/2 22A177/023 CAL



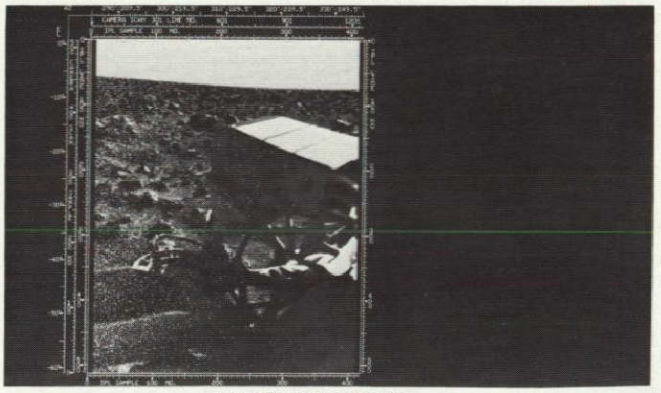
22A178/023 BB2 1/2



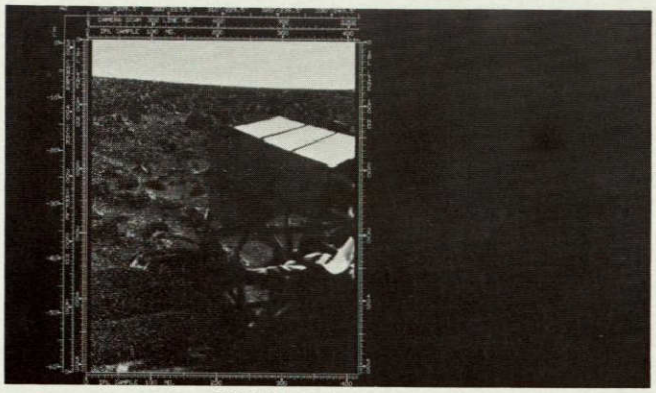
22A178/023 BB2 2/2



21A179/023 BLU/T

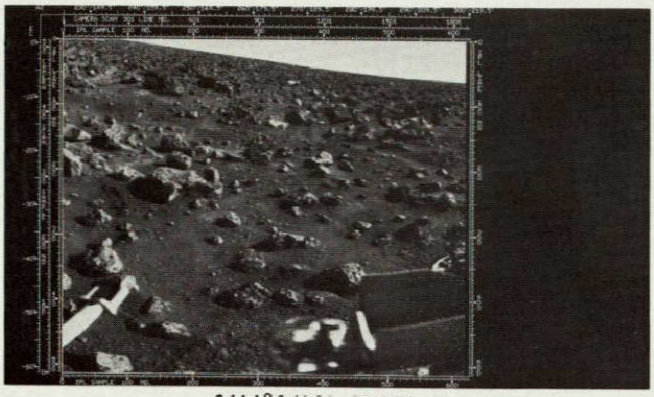


21A179/023 GRN/T

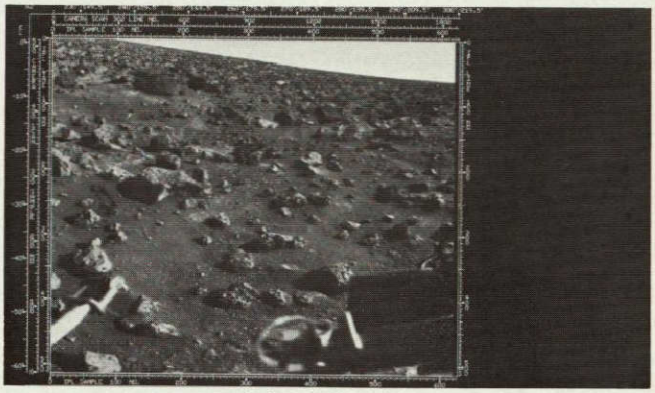


21A179/023 RED/T

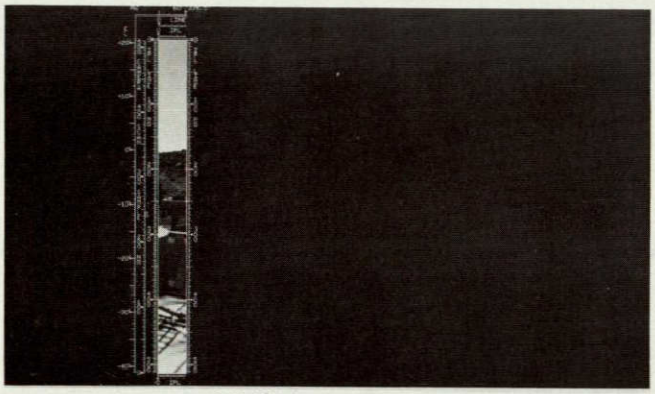
21A180/023 BLU/T



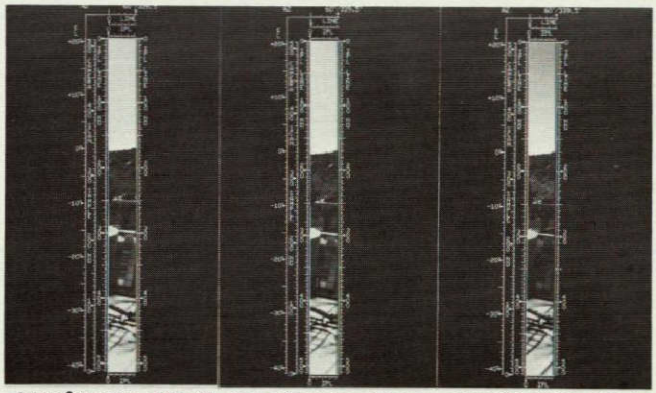
21A180/023 GRN/T



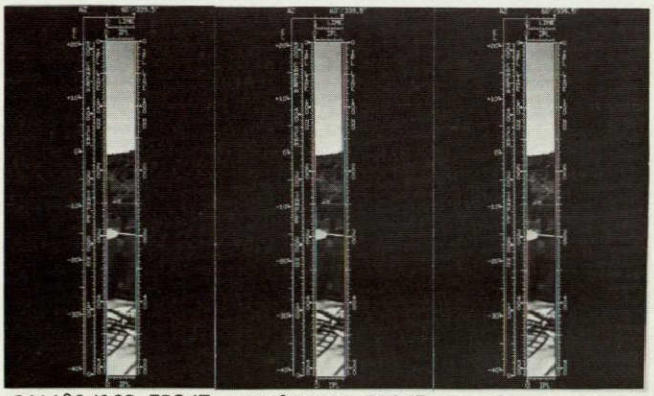
21A180/023 RED/T



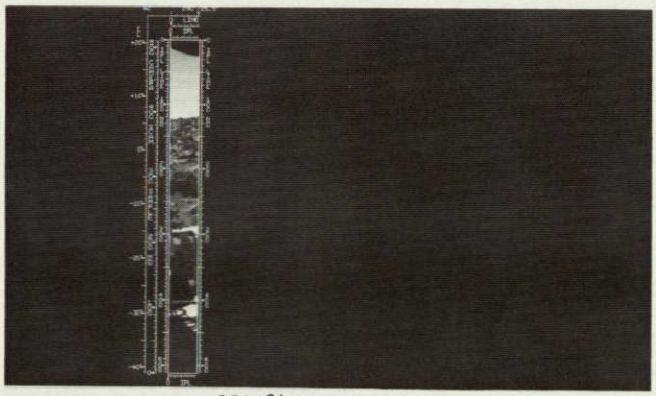
21A181/023 SURV



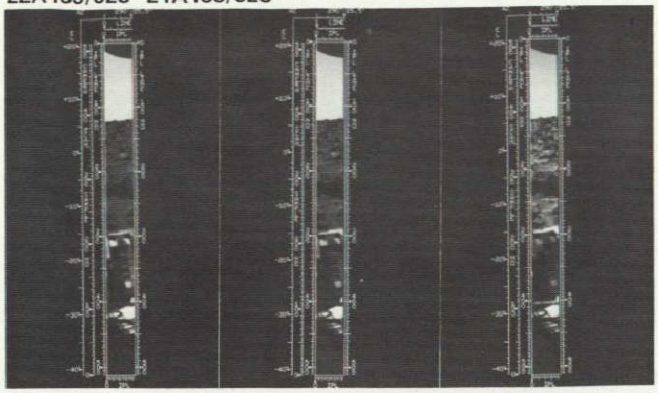
21A182/023 BLU/T 21A182/023 GRN/T 21A182/023 RED/T



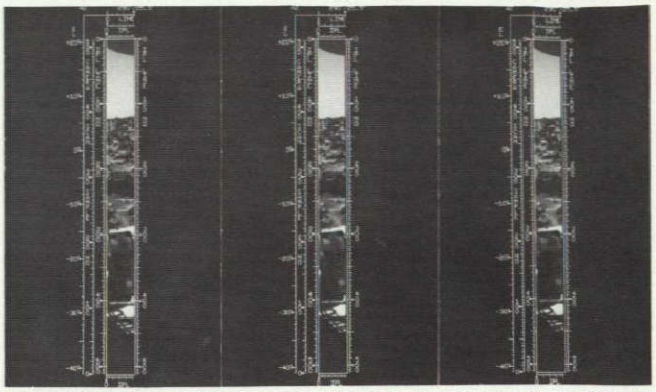
21A183/023 IR3/T 21A183/023 IR2/T 21A183/023 IR1/T



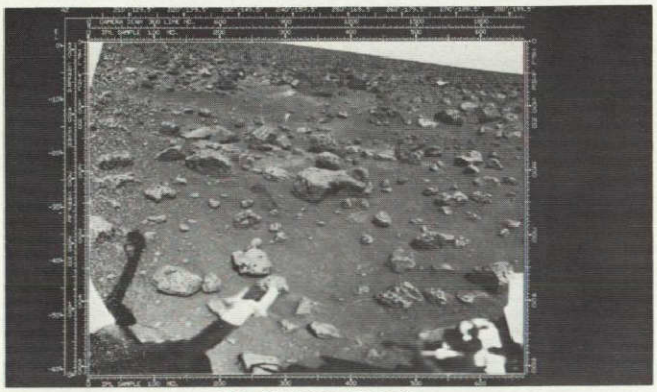
22A184/023 SURV



22A185/023 BLU/T 22A185/023 GRN/T 22A185/023 RED/T

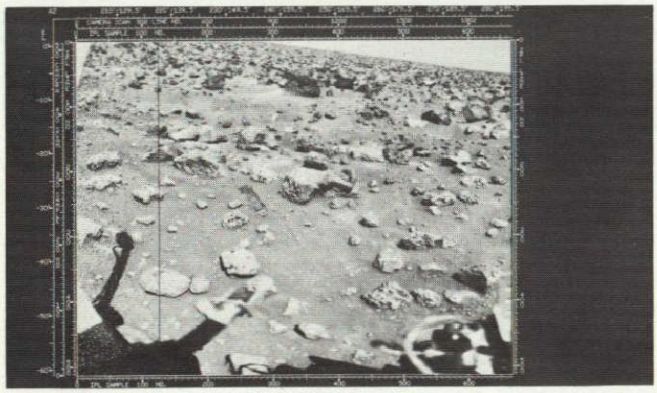


22A186/023 IR3/T 22A186/023 IR2/T 22A186/023 IR1/T

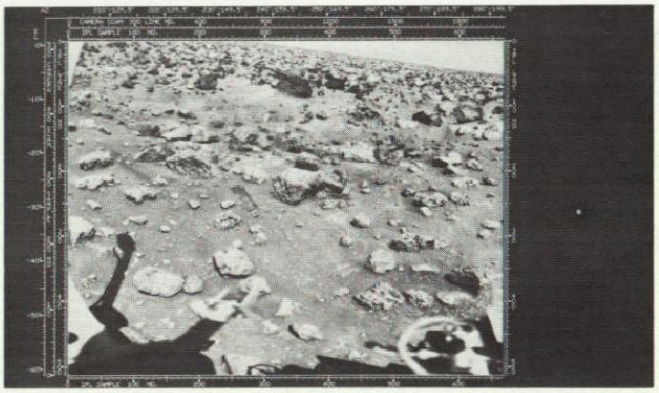


21A187/023 BLU/T

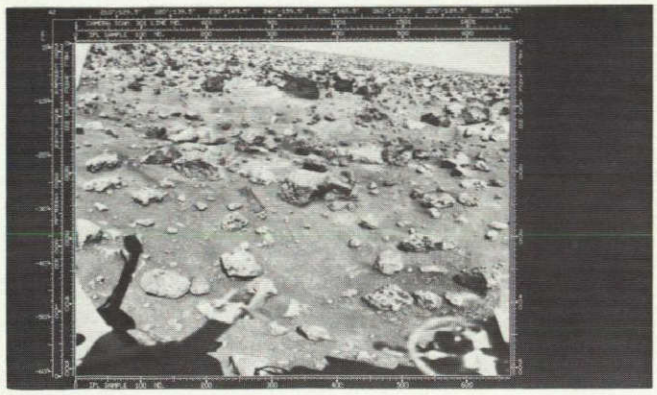
21A187/023 GRN/T



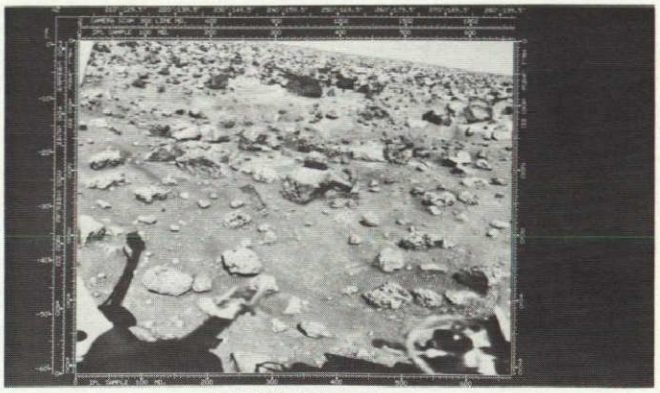
21A187/023 RED/T



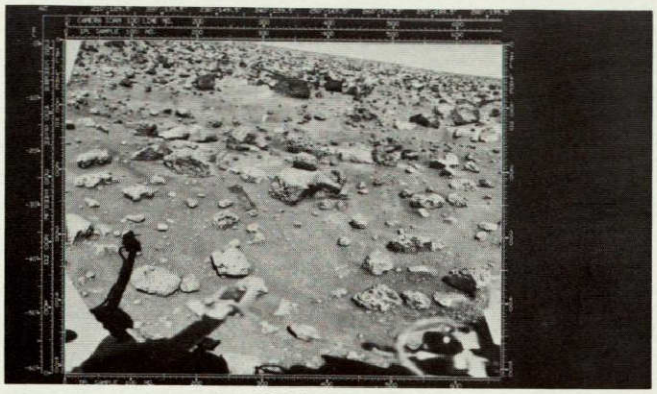
21A188/023 IR3/T



21A188/023 IR2/T

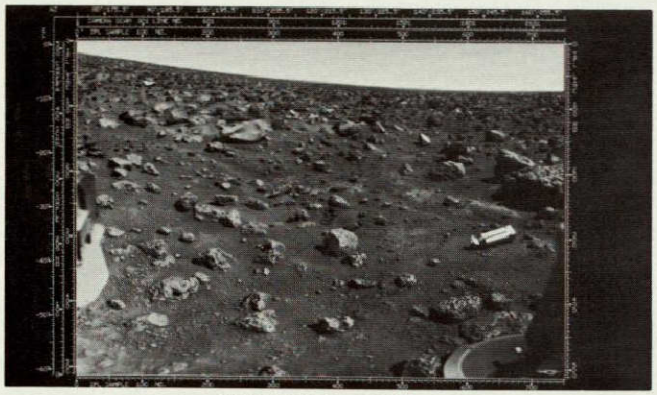


21A188/023 IR1/T



21A189/023 SURV

22A190/023 BLU/T



22A190/023 GRN/T

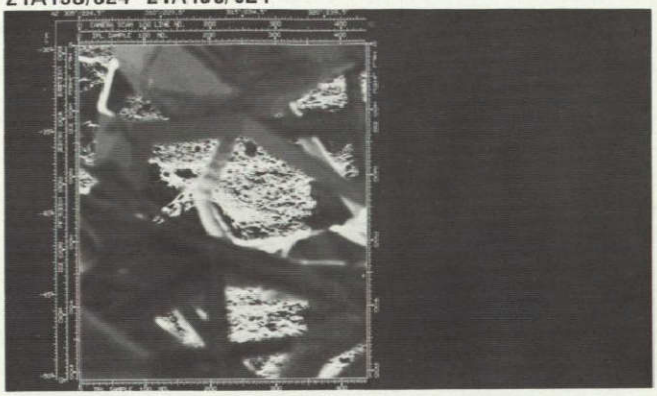
22A190/023 RED/T

22A191/023 IR3/T

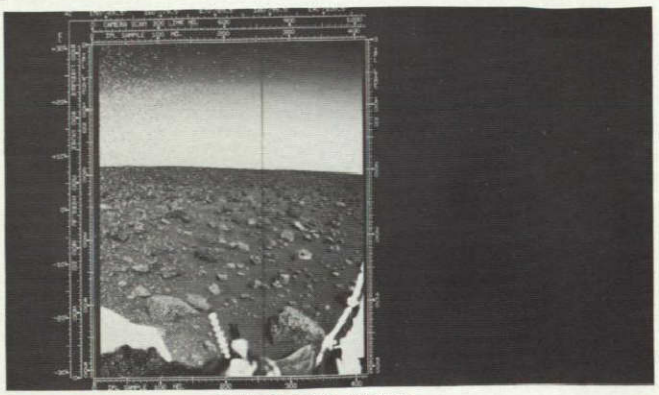
22A191/023 IR2/T

22A191/023 IR1/T

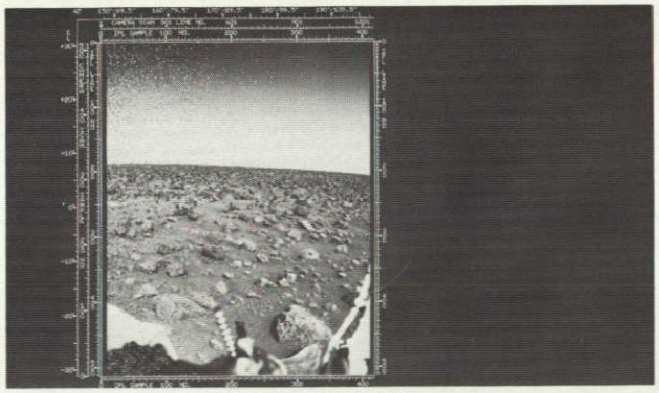
22A192/023 SURV



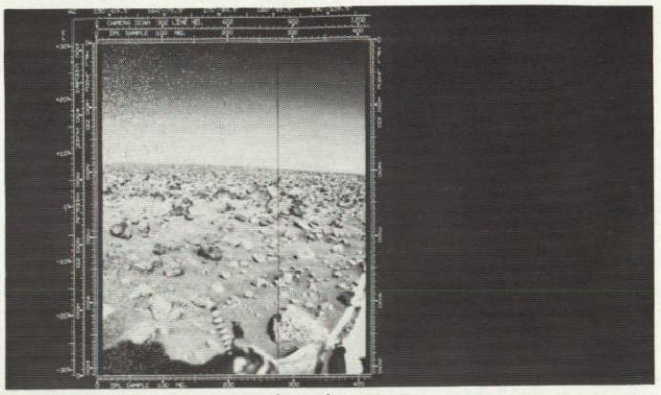
21A193/024 BB2



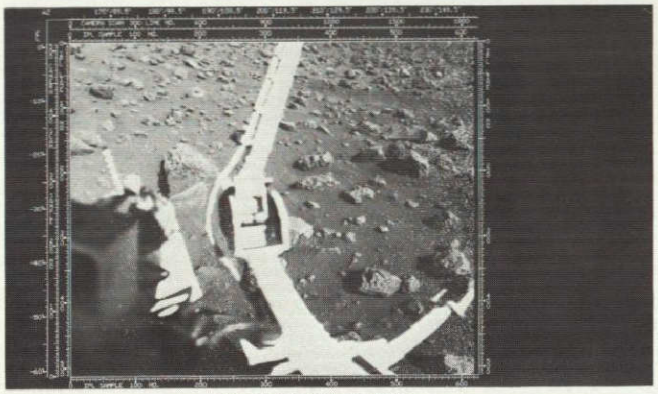
21A194/024 BLU/T



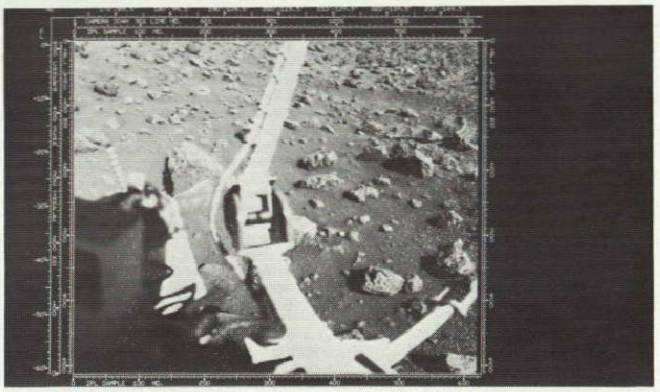
21A194/024 GRN/T



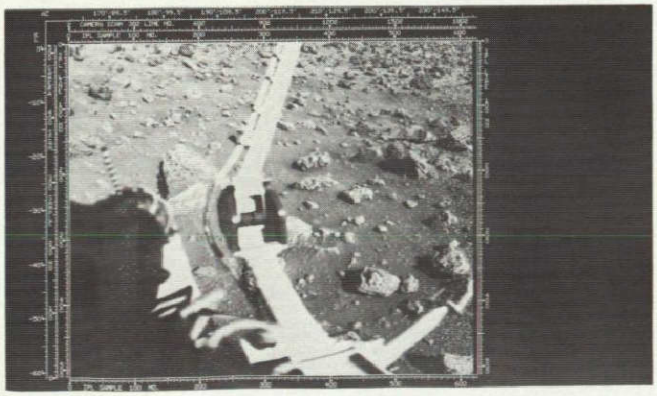
21A194/024 RED/T



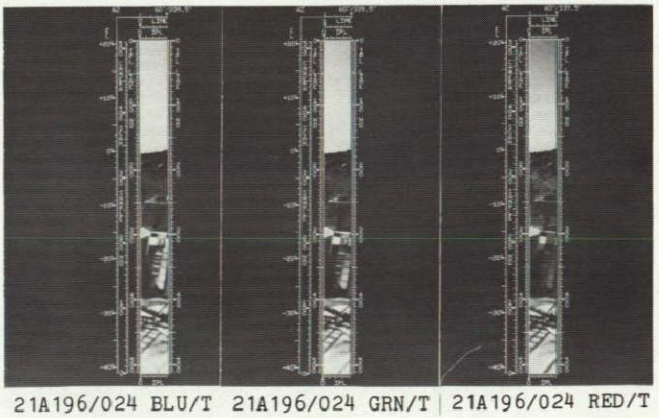
21A195/024 BLU/T



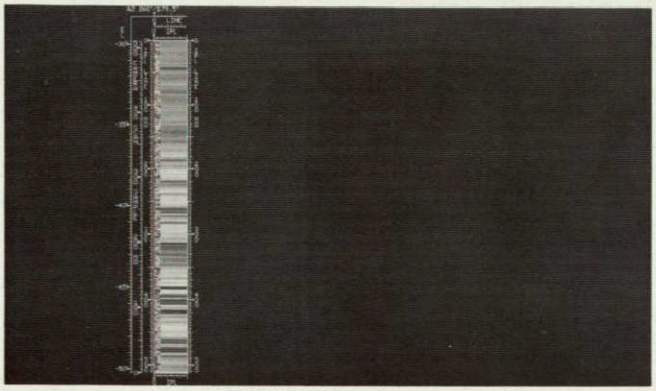
21A195/024 GRN/T



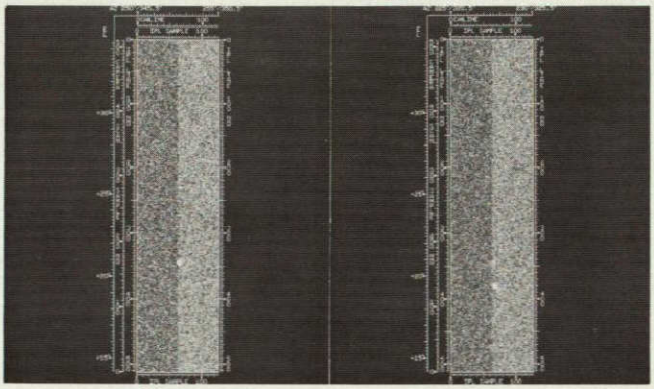
21A195/024 RED/T



21A196/024 BLU/T 21A196/024 GRN/T 21A196/024 RED/T

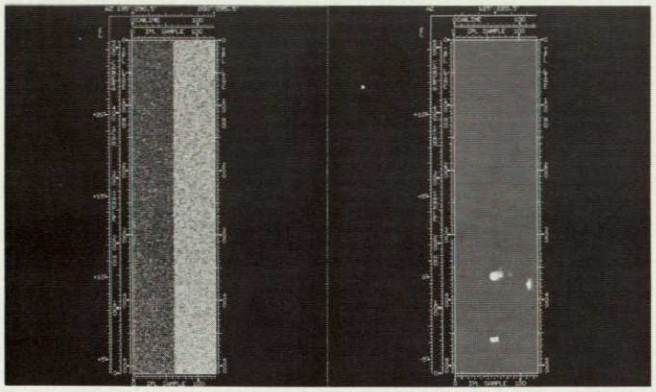


21A197/024 BB1



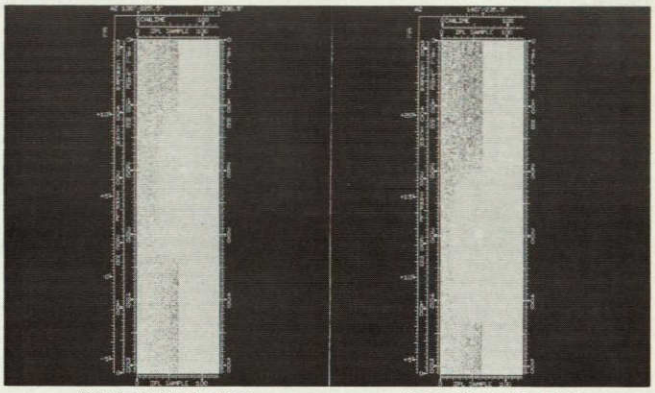
22A198/025 BLU

22A199/025 BLU



22A200/025 BLU

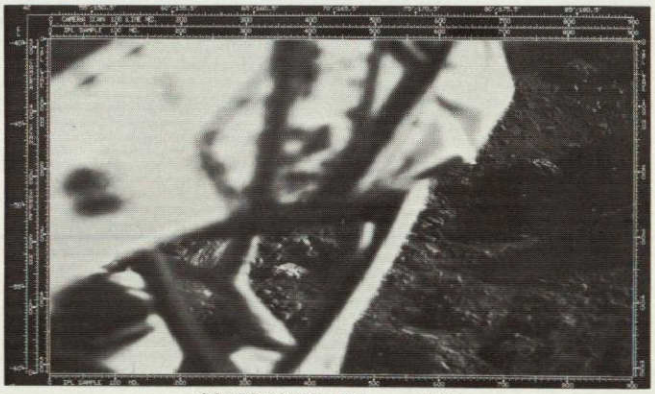
22A201/025 SUN



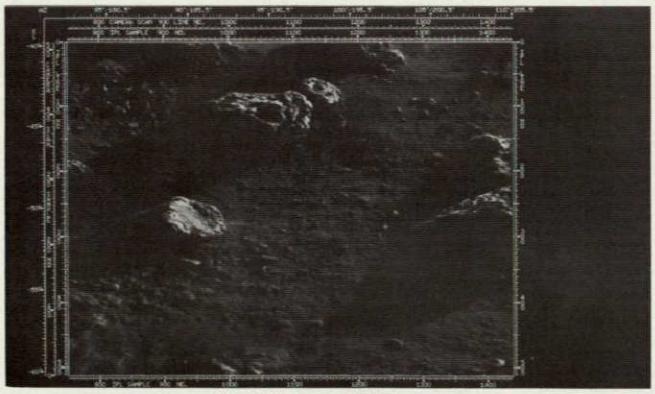
22A202/025 SUN

22A203/025 SUN

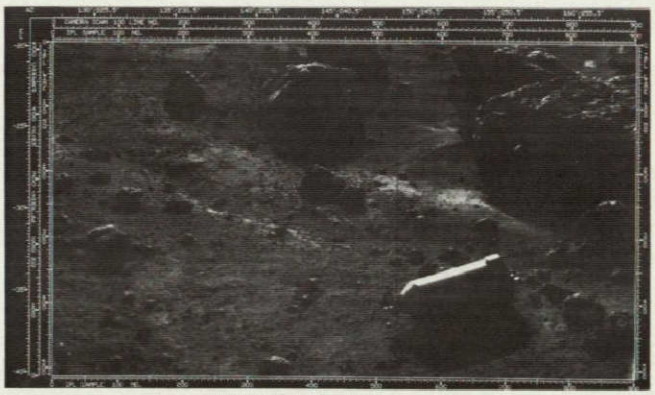
21A204/025 BB4



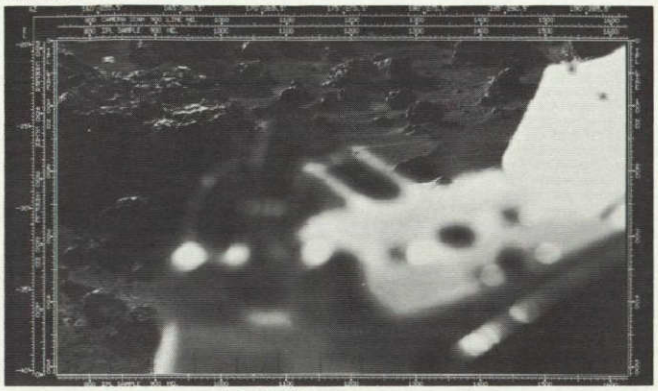
22A205/025 BB1 1/2



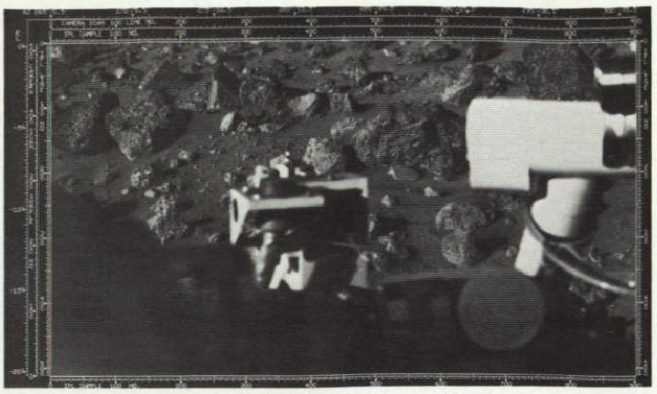
22A205/025 BB1 2/2



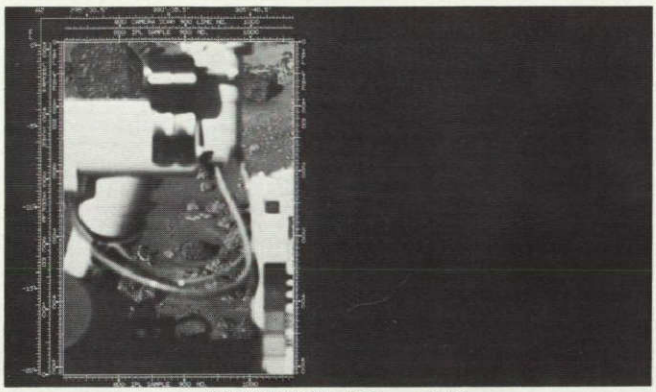
22A206/025 BB3 1/2



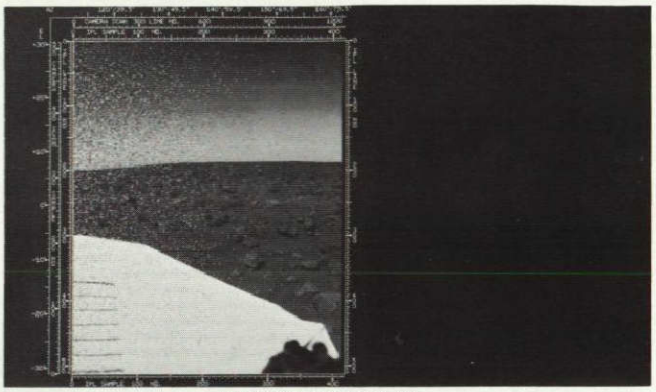
22A206/025 BB3 2/2



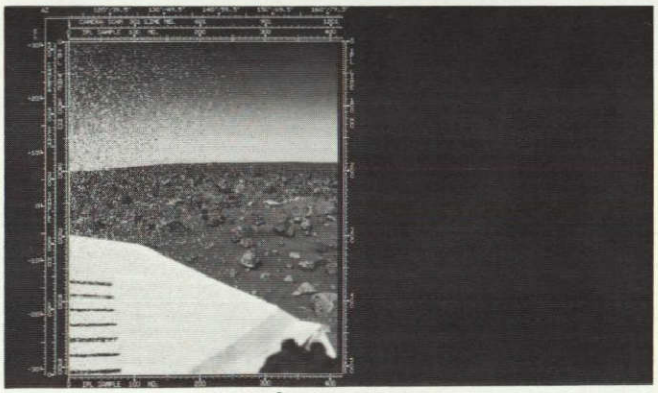
22A207/025 BB3 1/2



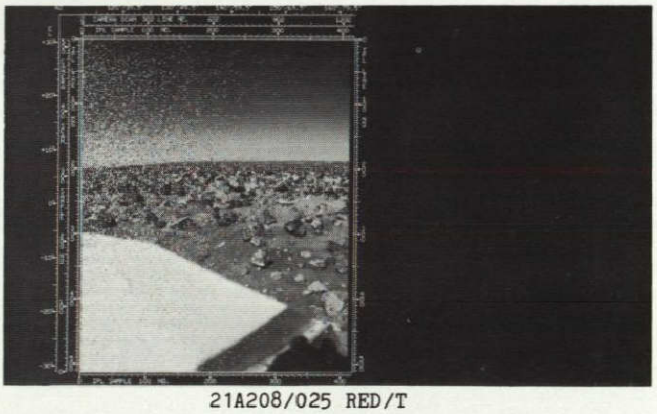
22A207/025 BB3 2/2



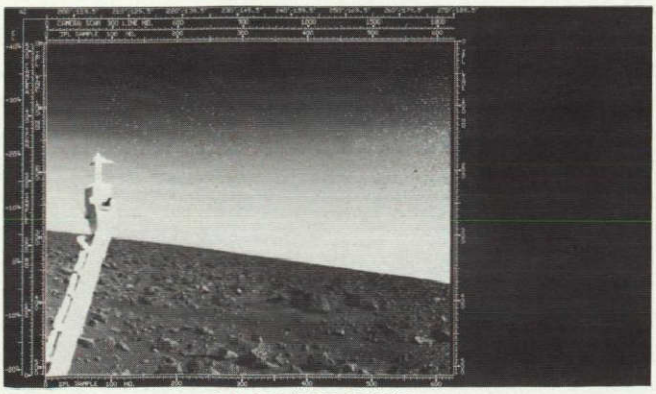
21A208/025 BLU/T



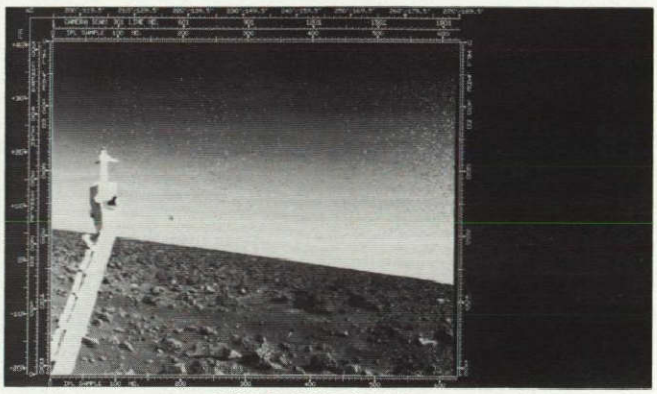
21A208/025 GRN/T



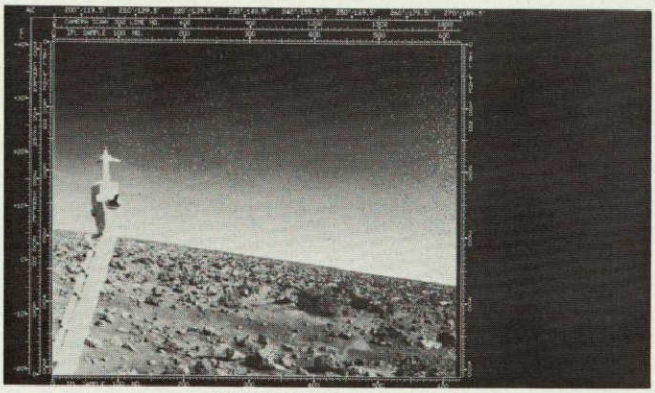
21A208/025 RED/T



21A209/025 BLU/T



21A209/025 GRN/T



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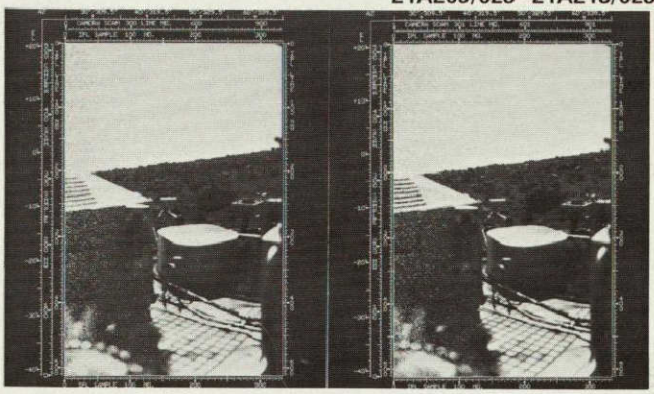
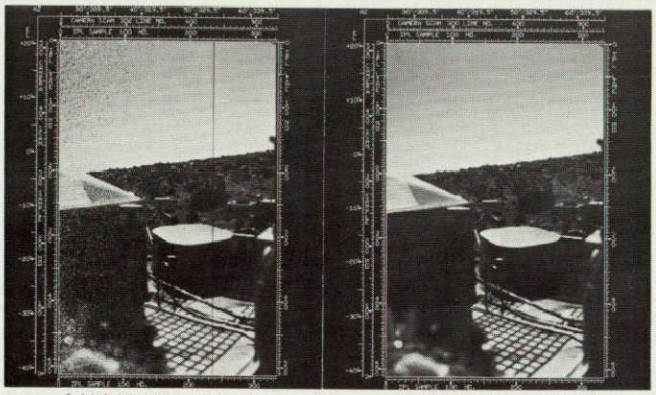


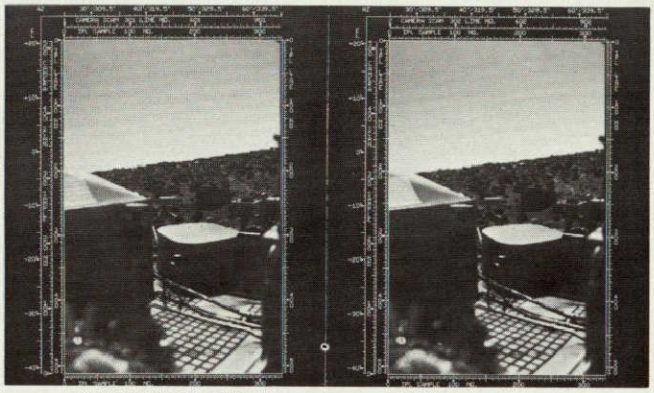
21A210/025 BLU/T

21A210/025 GRN/T



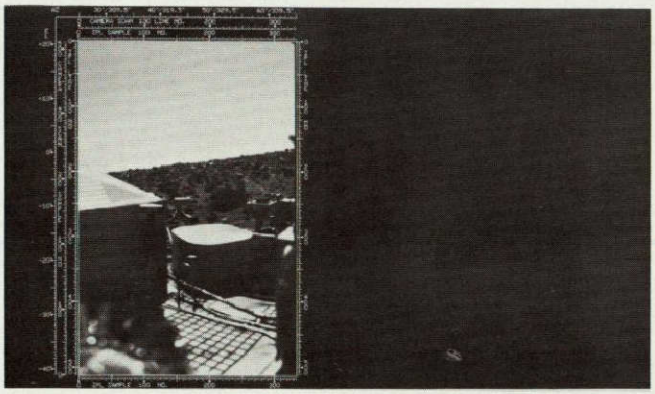
21A210/025 RED/T

21A211/025 IR3/T

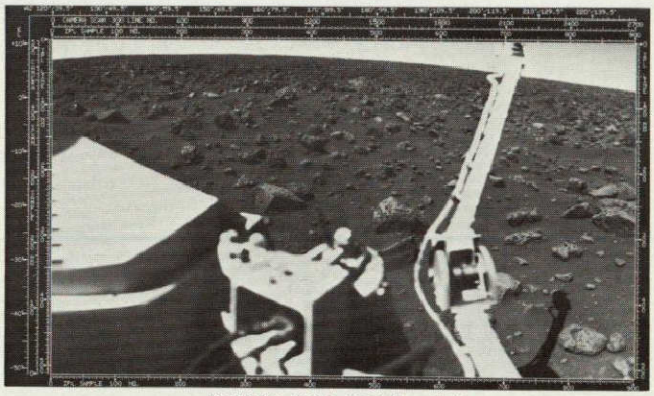


21A211/025 IR2/T

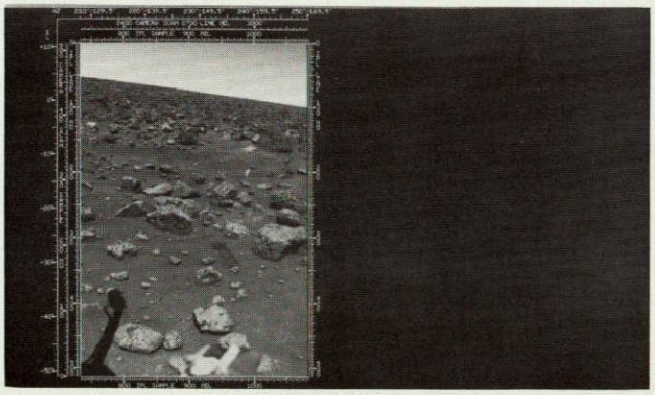
21A211/025 IR1/T



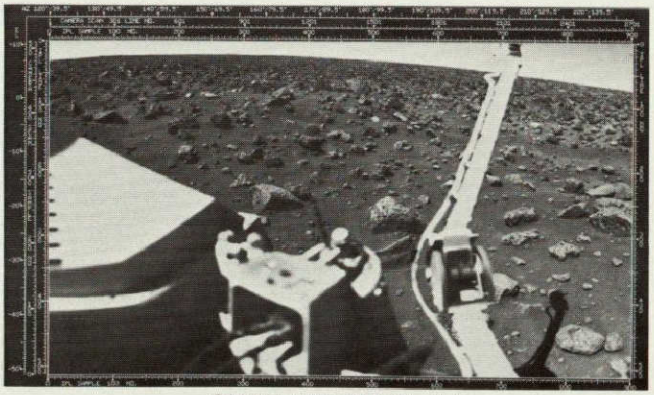
21A212/025 SURV



21A213/025 BLU/T 1/2

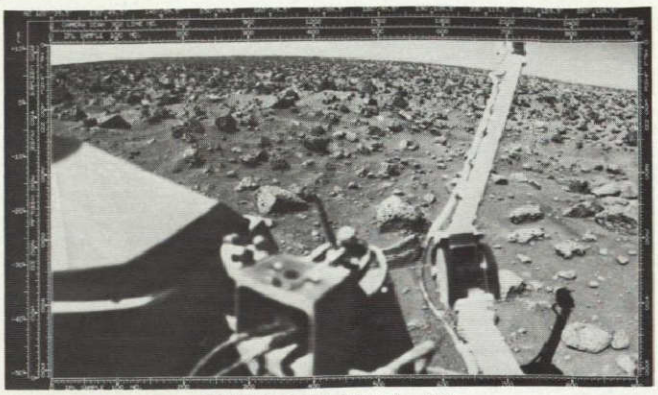


21A213/025 BLU/T 2/2

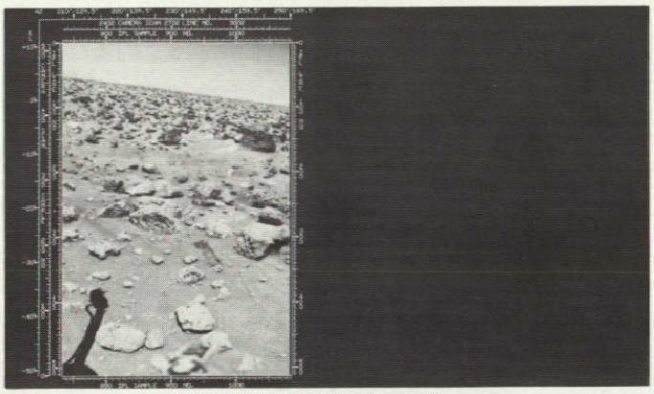


21A213/025 GRN/T 1/2

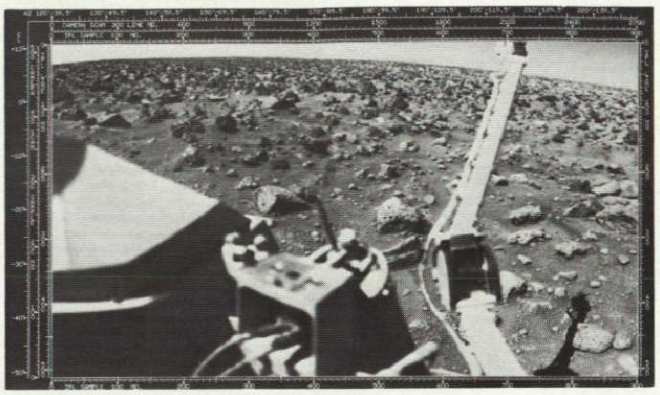
21A213/025 GRN/T 2/2



21A213/025 RED/T 1/2

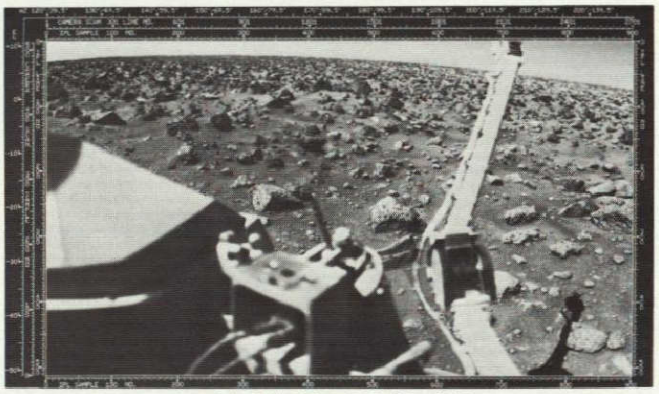


21A213/025 RED/T 2/2



21A214/025 IR3/T 1/2

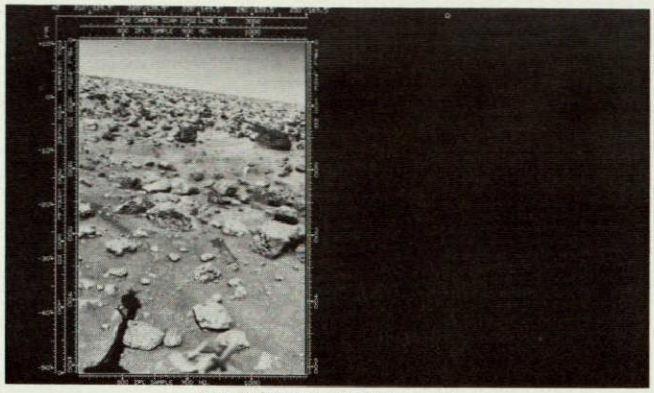
21A214/025 IR3/T 2/2



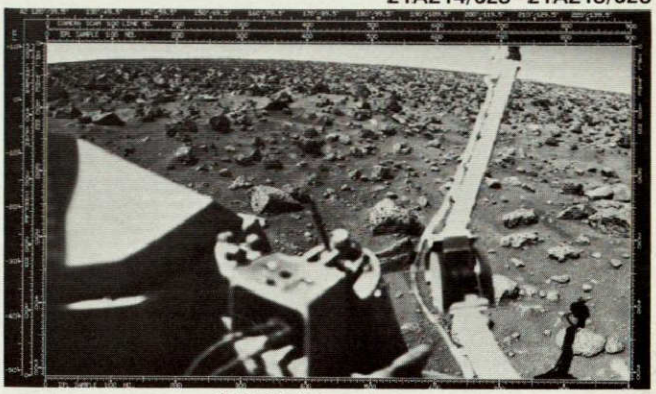
21A214/025 IR2/T 1/2

21A214/025 IR2/T 2/2

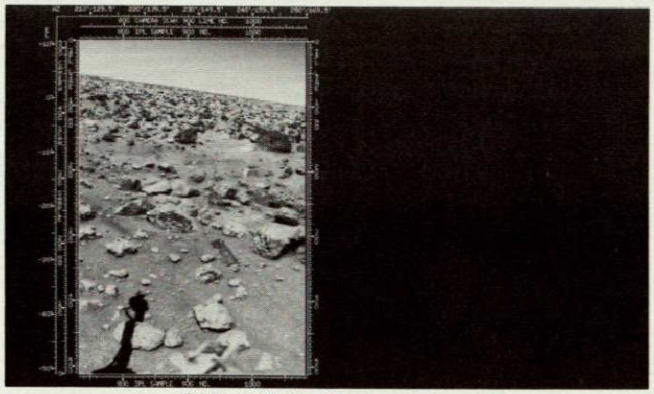
21A214/025 IR1/T 1/2



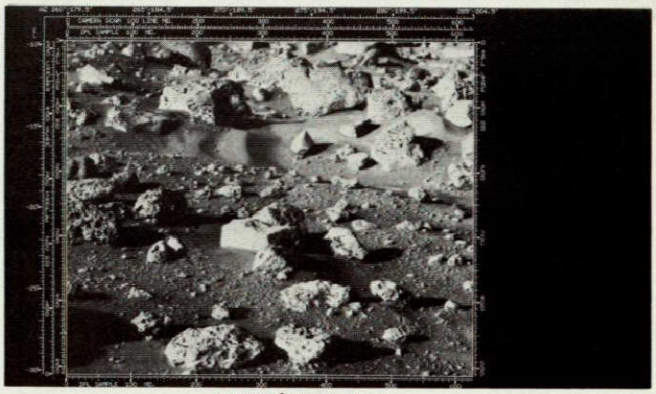
21A214/025 IR1/T 2/2



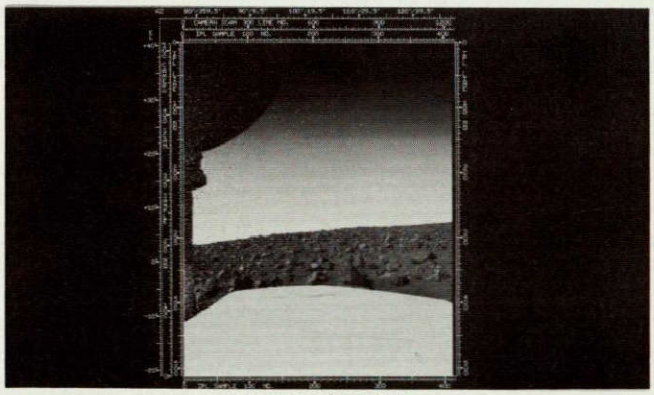
21A215/025 SURV 1/2



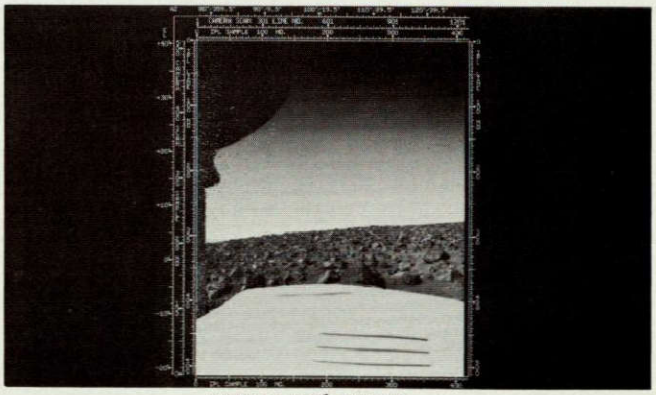
21A215/025 SURV 2/2



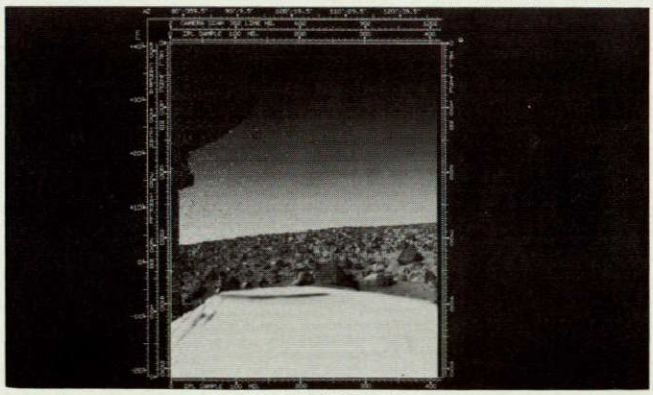
21A216/025 BB3



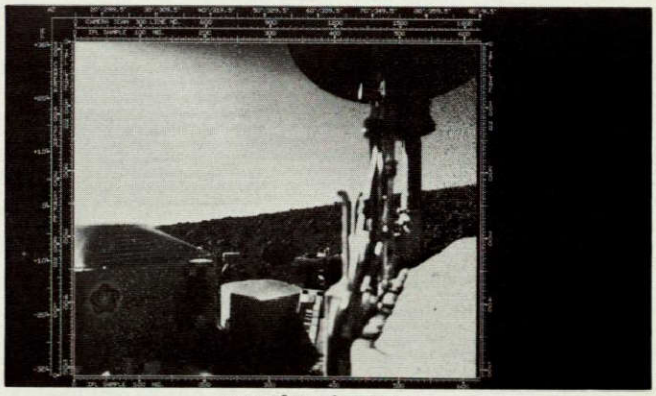
21A217/026 BLU/T



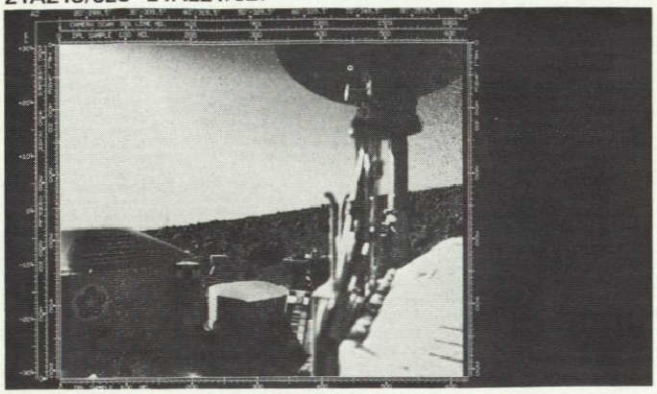
21A217/026 GRN/T



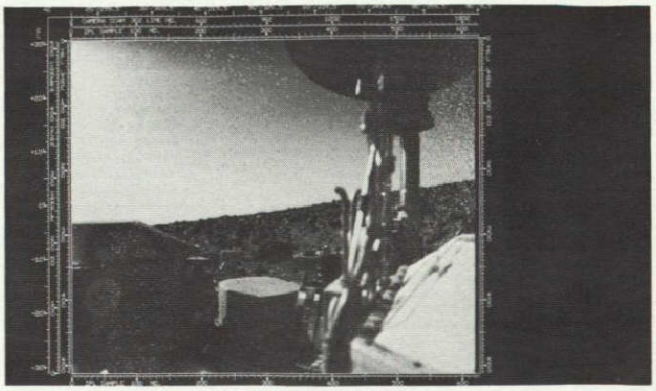
21A217/026 RED/T



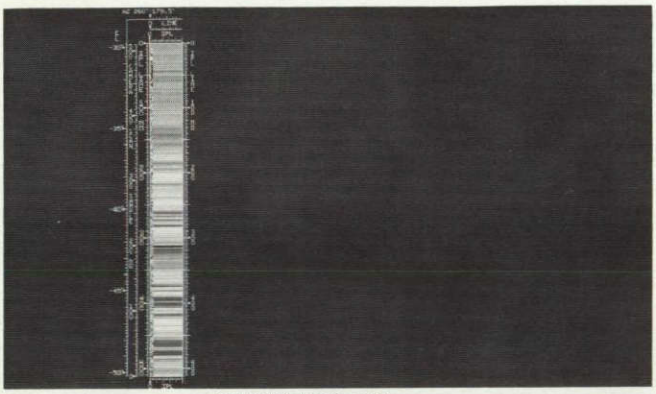
21A218/026 BLU/T



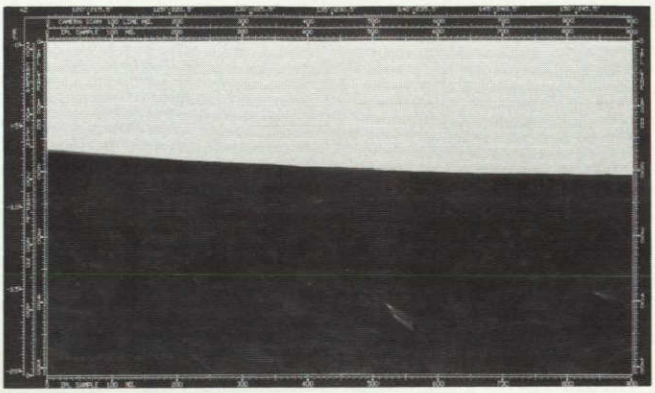
21A218/026 GRN/T



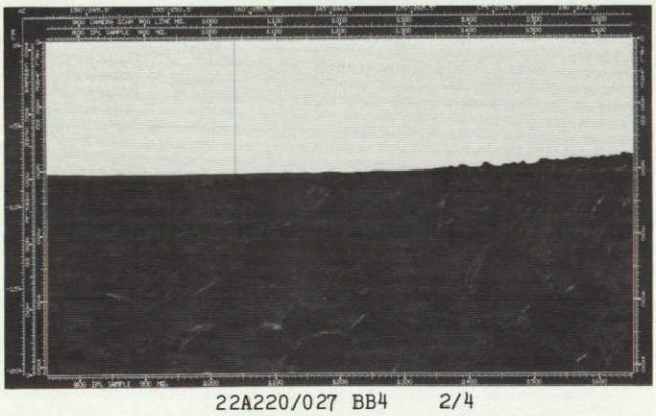
21A218/026 RED/T



21A219/026 BB1

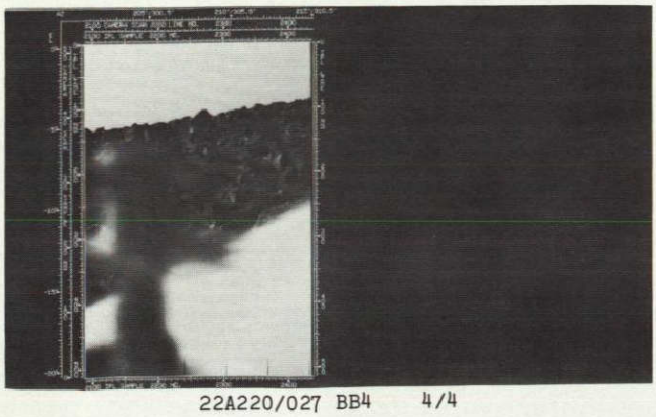


22A220/027 BB4 1/4

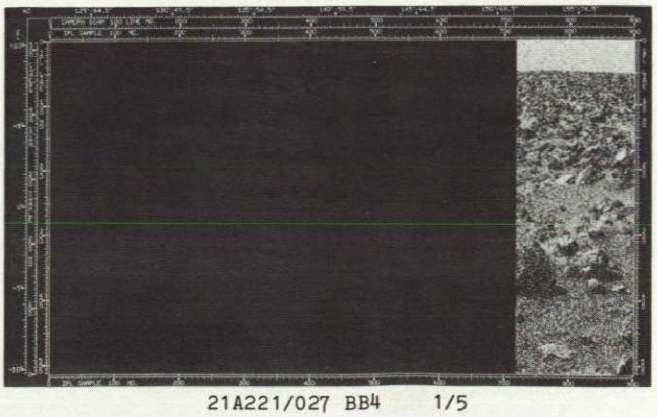


22A220/027 BB4 2/4

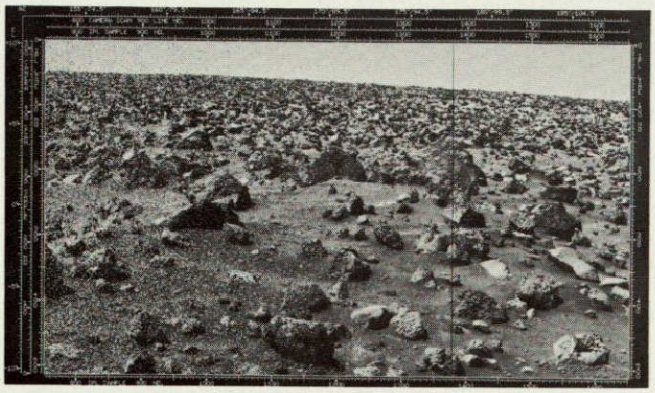
22A220/027 BB4 3/4



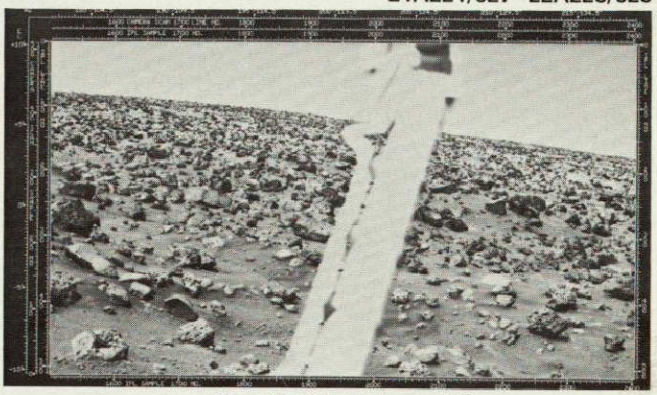
22A220/027 BB4 4/4



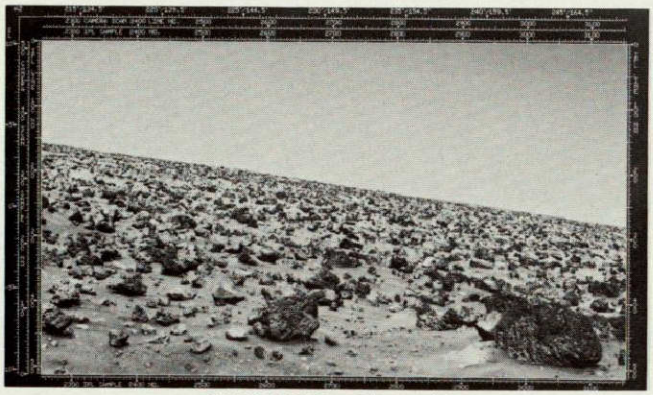
21A221/027 BB4 1/5



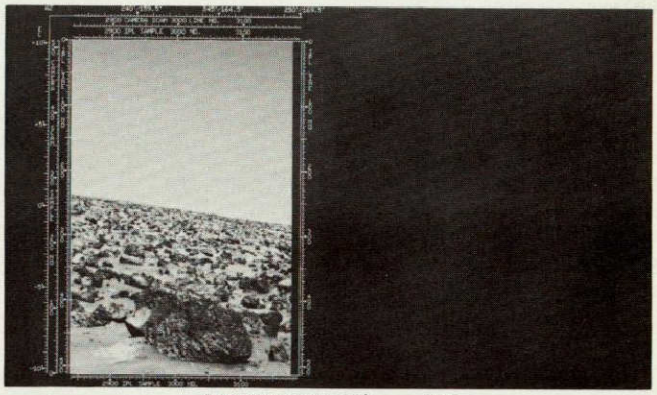
21A221/027 BB4 2/5



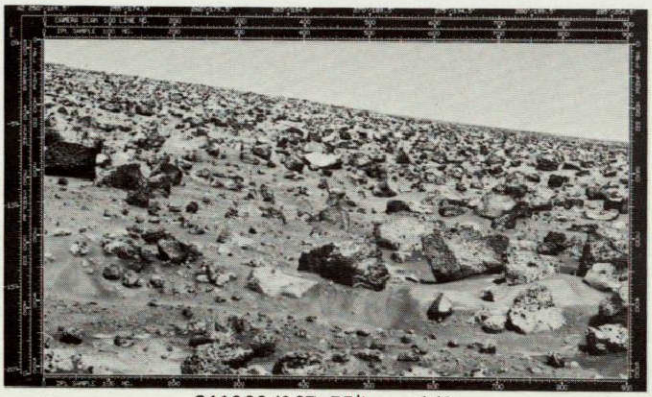
21A221/027 BB4 3/5



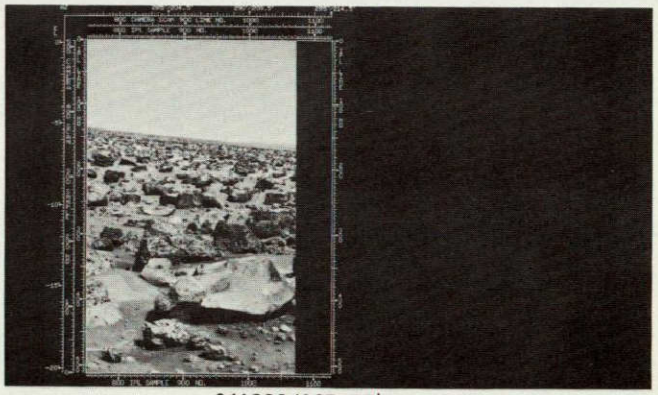
21A221/027 BB4 4/5



21A221/027 BB4 5/5



21A222/027 BB4 1/2

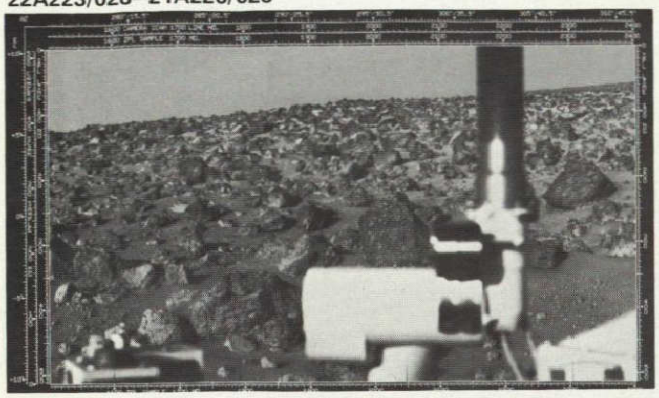


21A222/027 BB4 2/2

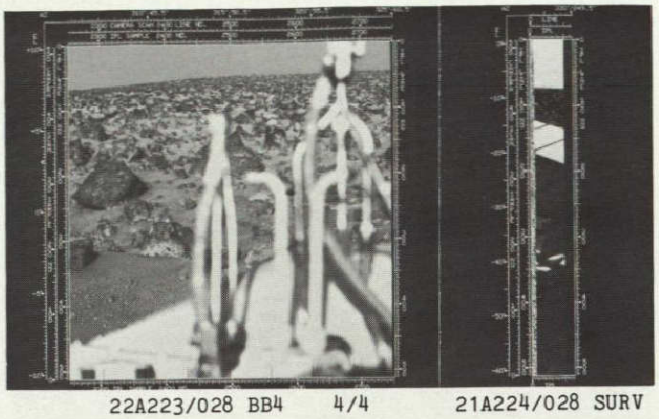
22A223/028 BB4 1/4

22A223/028 BB4 2/4

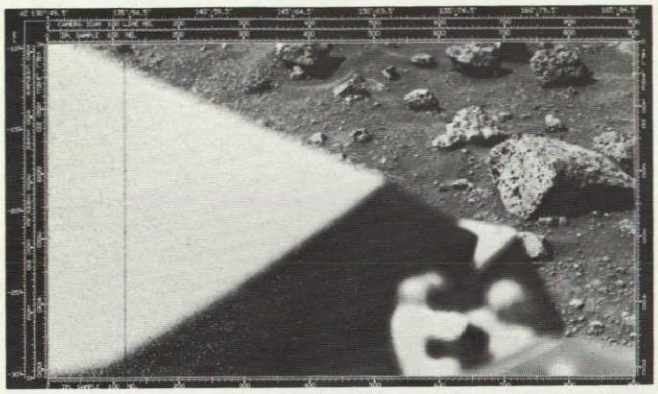
VL-2



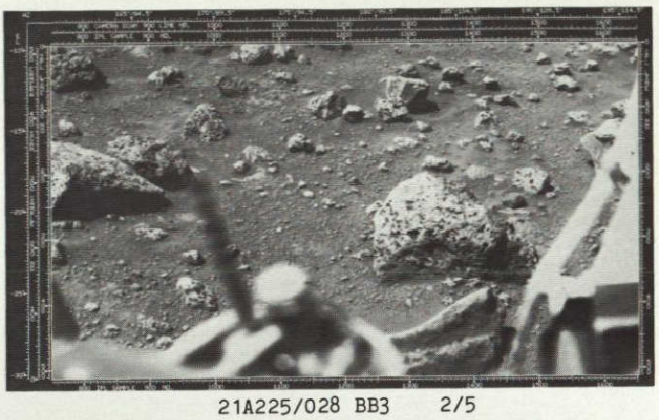
22A223/028 BB4 3/4



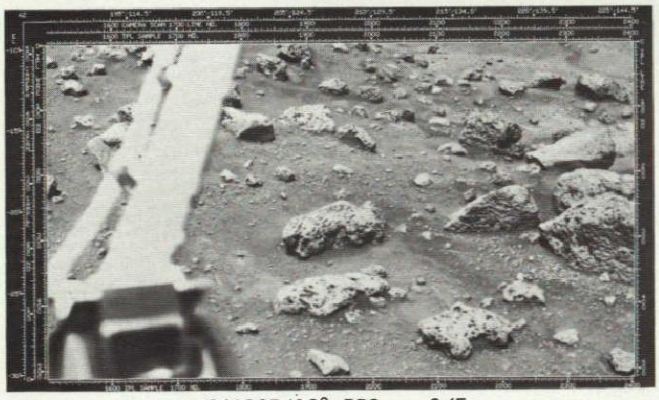
22A223/028 BB4 4/4 21A224/028 SURV



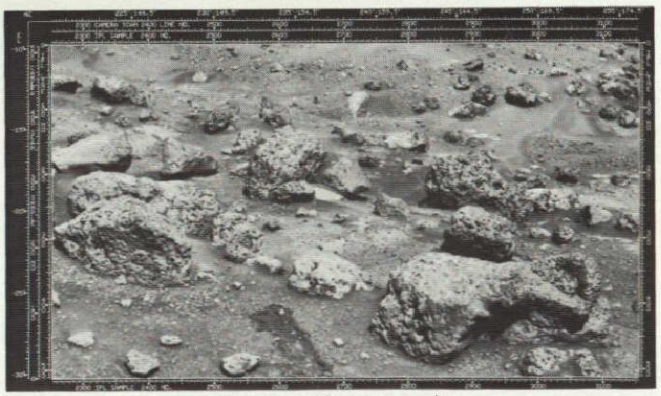
21A225/028 BB3 1/5



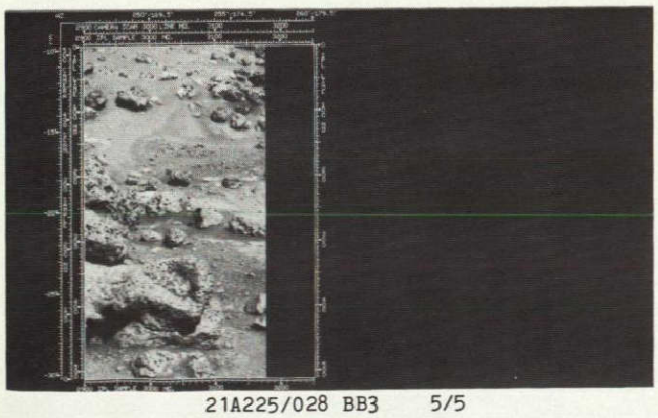
21A225/028 BB3 2/5



21A225/028 BB3 3/5

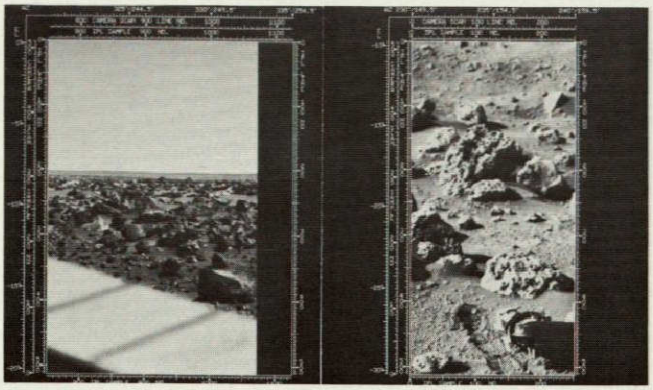


21A225/028 BB3 4/5



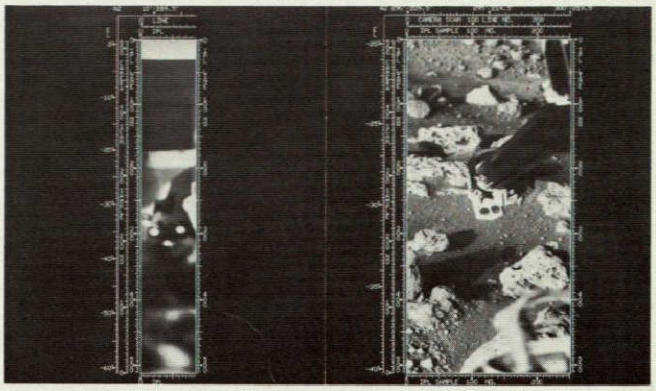
21A225/028 BB3 5/5

21A226/028 BB4 1/2



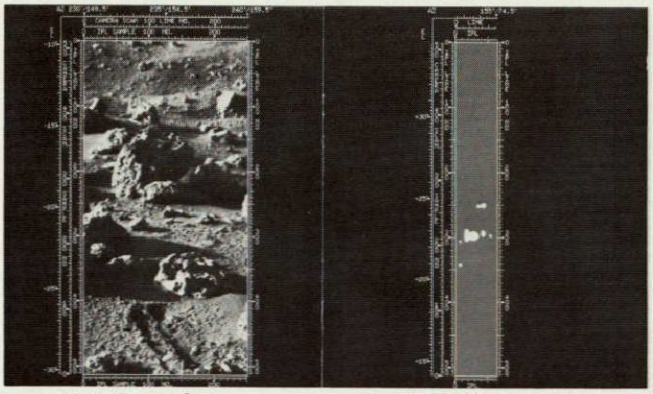
21A226/028 BB4 2/2

21A227/028 BB2



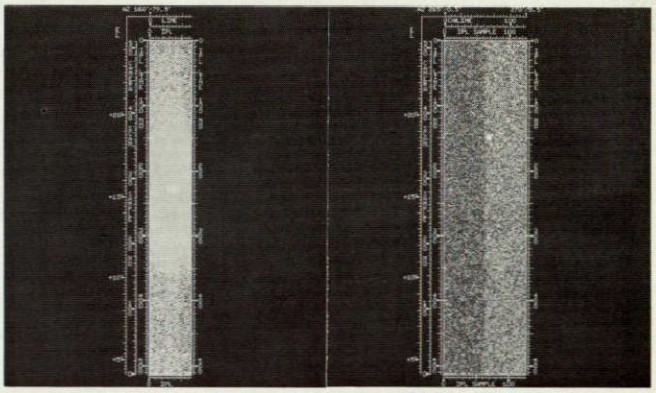
21A228/028 SURV

21A229/028 BB2



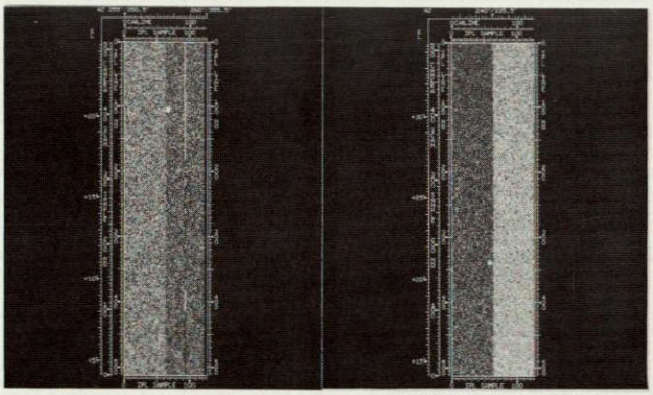
21A230/028 BB2

21A231/028 SUN



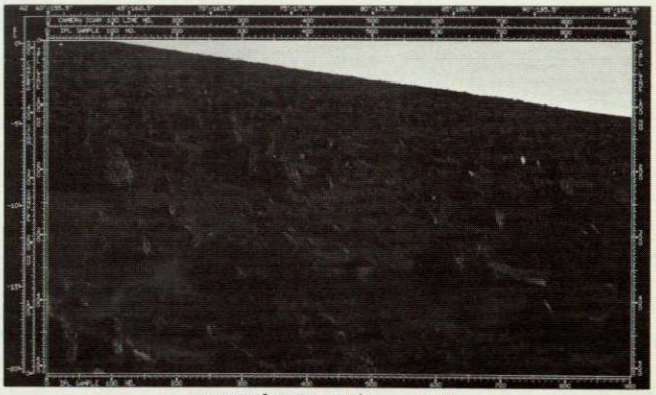
21A232/028 SUN

22A233/029 BLU

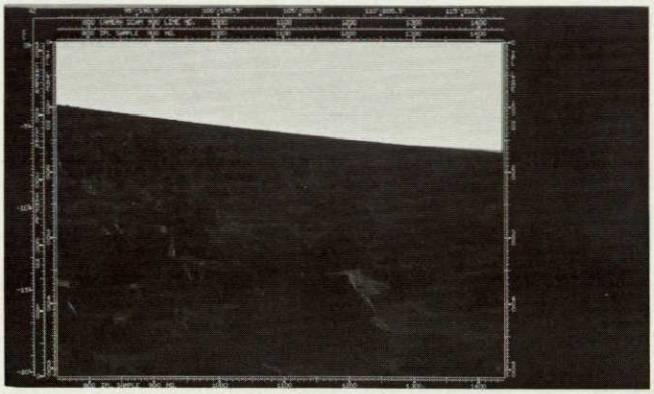


22A234/029 BLU

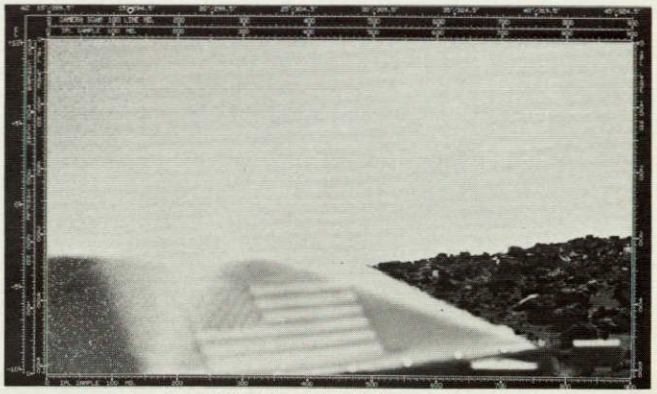
22A235/029 BLU



22A236/029 BB4 1/2



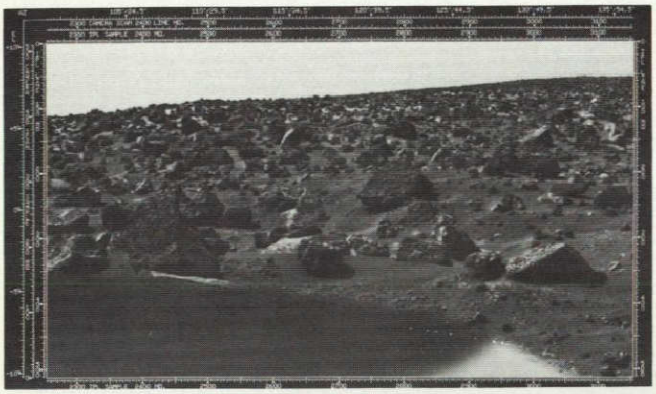
22A236/029 BB4 2/2



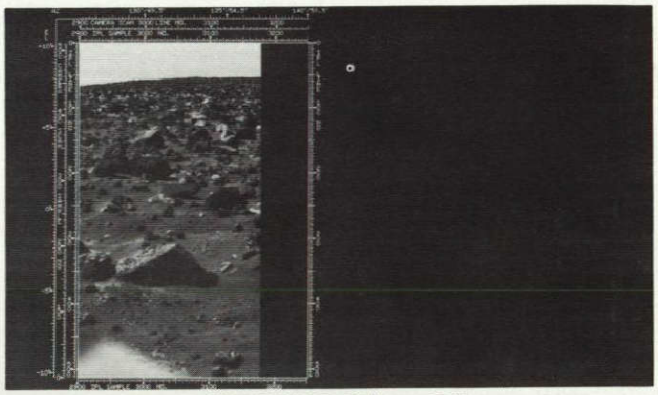
21A237/029 BB4 1/5

21A237/029 BB4 2/5

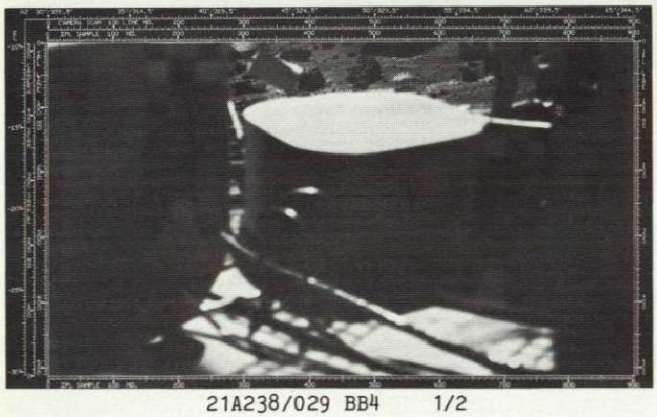
21A237/029 BB4 3/5



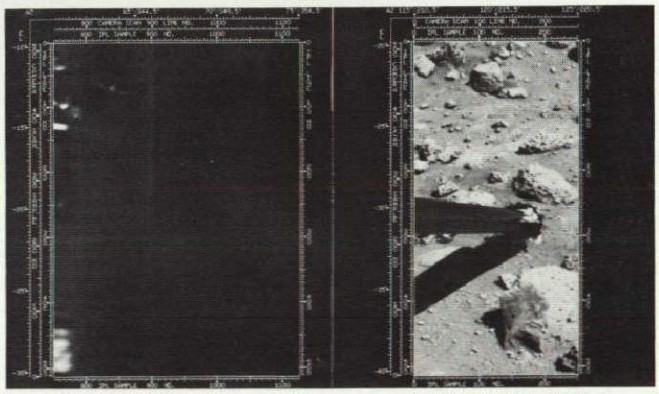
21A237/029 BB4 4/5



21A237/029 BB4 5/5

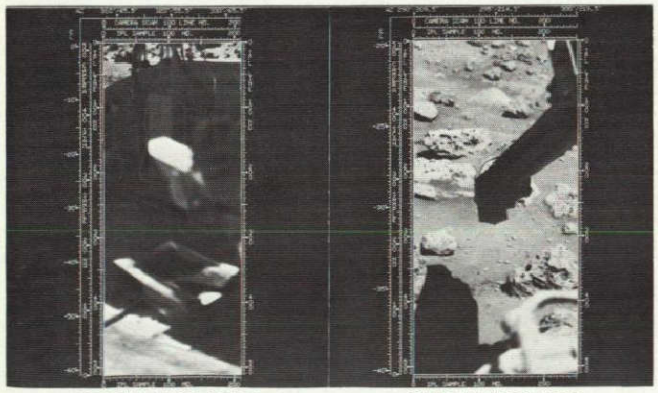


21A238/029 BB4 1/2



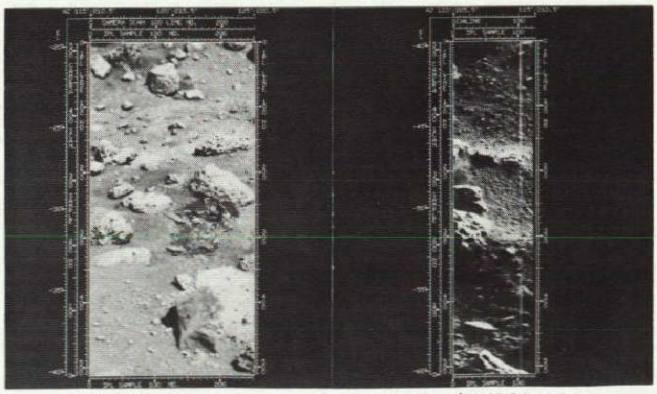
21A238/029 BB4 2/2

22A239/029 BB2



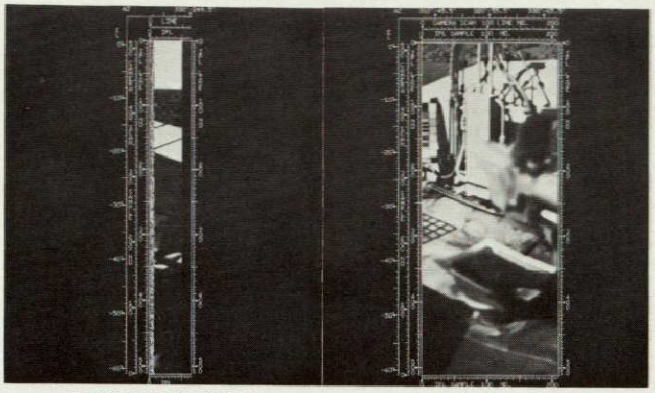
22A240/029 SURV

21A241/029 BB2



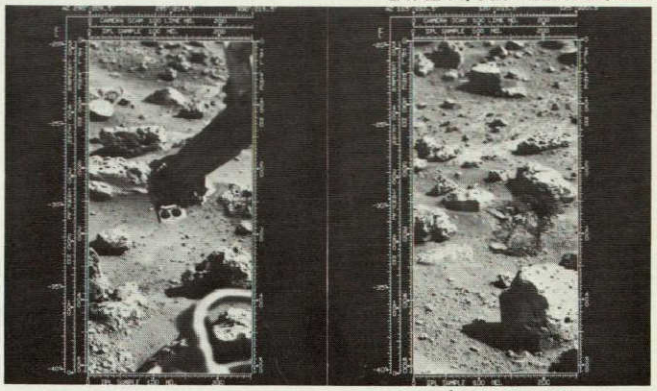
22A242/029 BB2

22A243/030 BB1



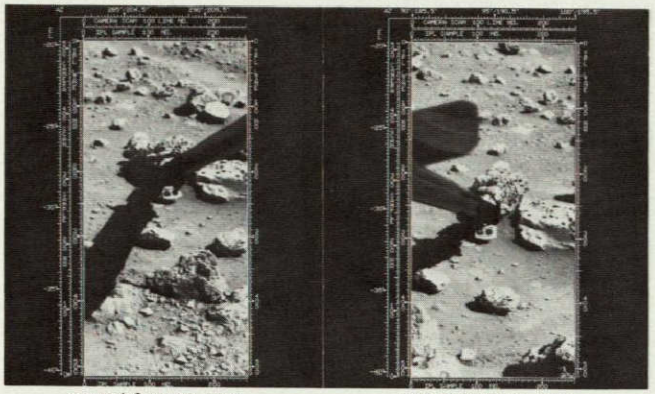
21A244/030 SURV

22A245/030 SURV



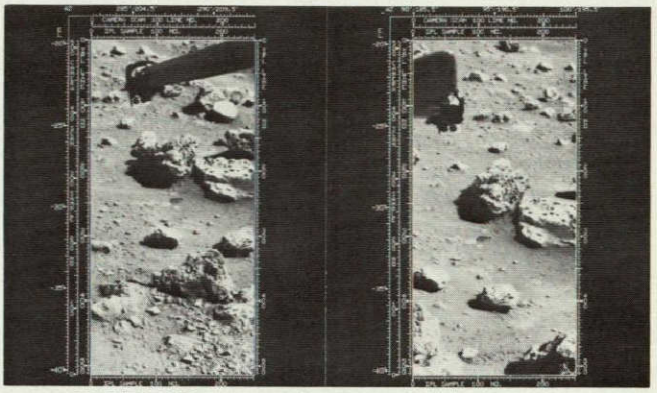
21A246/030 BB2

22A247/030 BB2



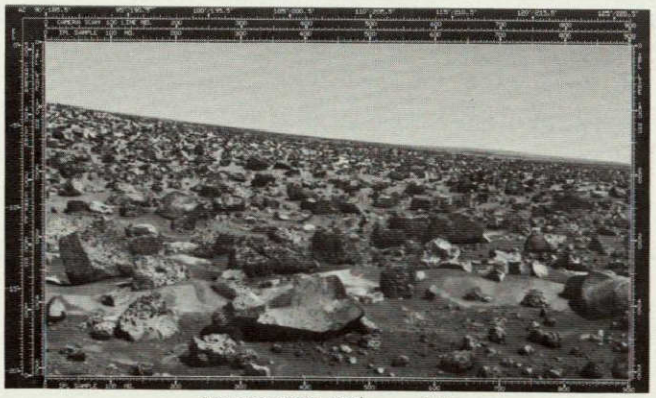
21A248/030 BB2

22A249/030 BB2



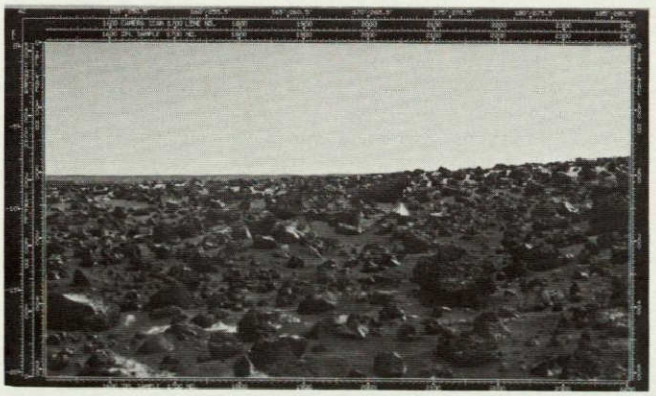
21A250/030 BB2

22A251/030 BB2



22A252/030 BB4 1/5

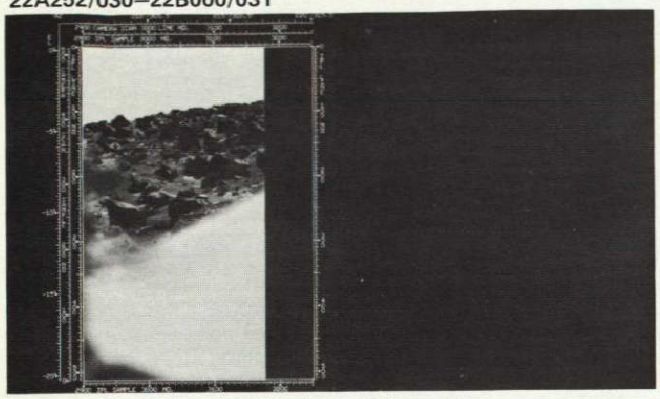
22A252/030 BB4 2/5



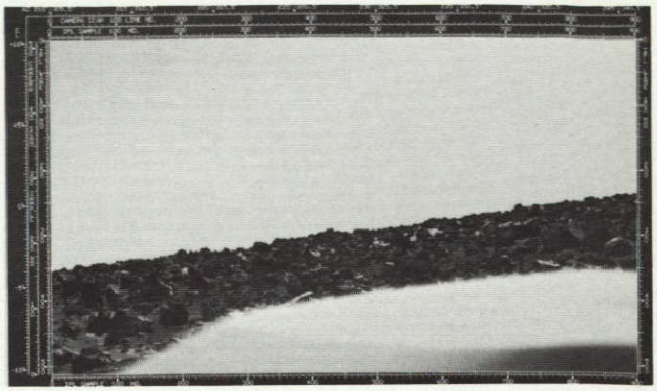
22A252/030 BB4 3/5

22A252/030 BB4 4/5

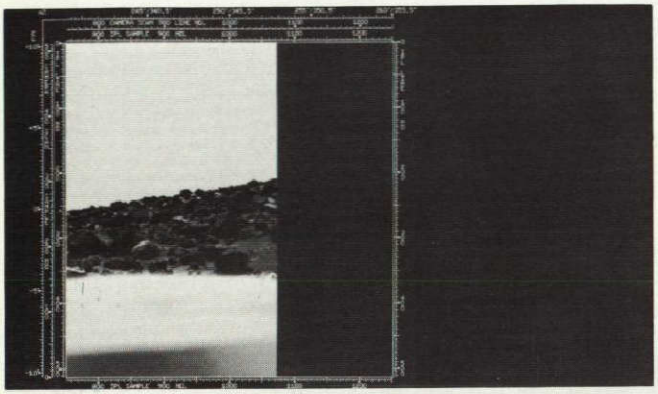
VL-2



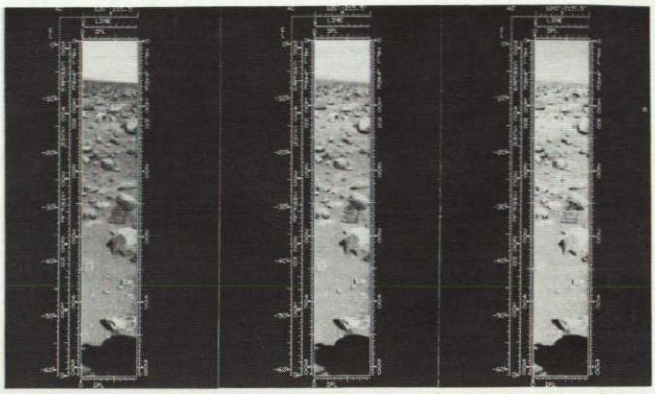
22A252/030 BB4 5/5



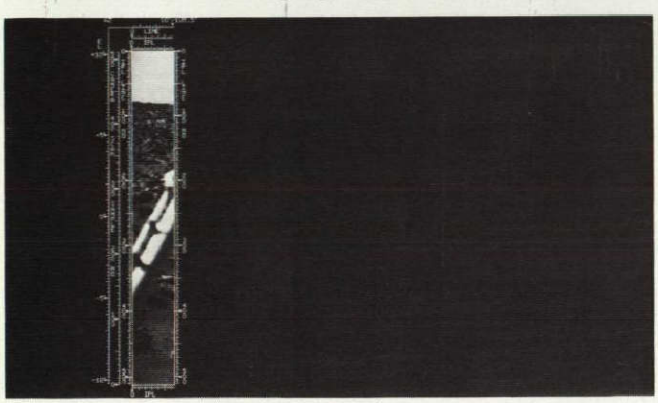
22A253/030 BB4 1/2



22A253/030 BB4 2/2

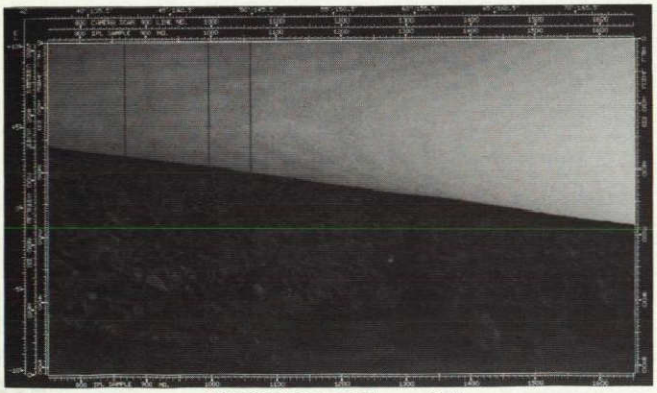


22A254/030 BLU/T 22A254/030 GRN/T 22A254/030 RED/T



22A255/030 BB4

22B000/031 BB4 1/4



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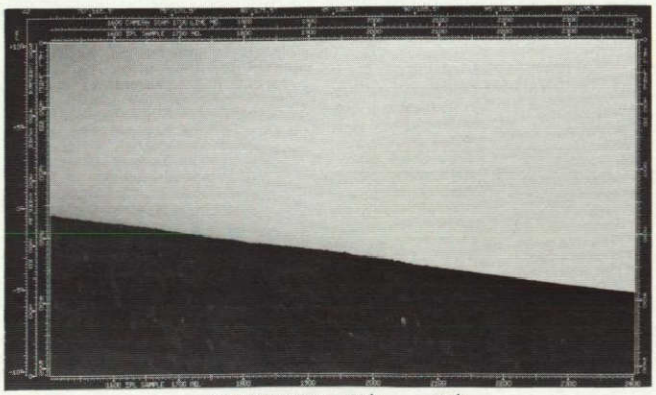
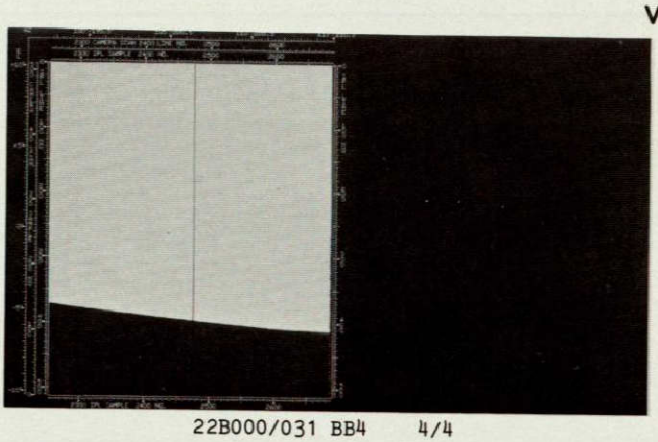
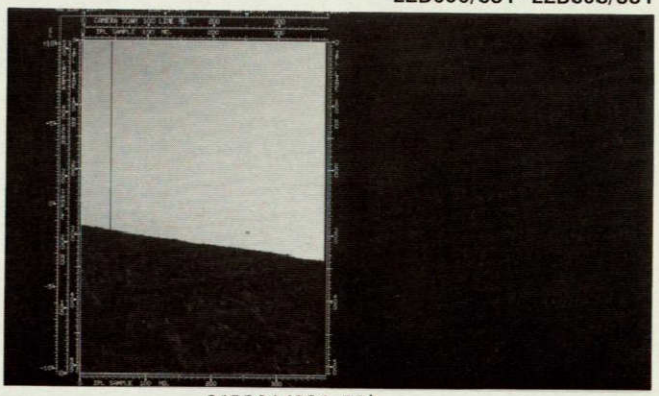


22B000/031 BB4 3/4



22B000/031 BB4 4/4



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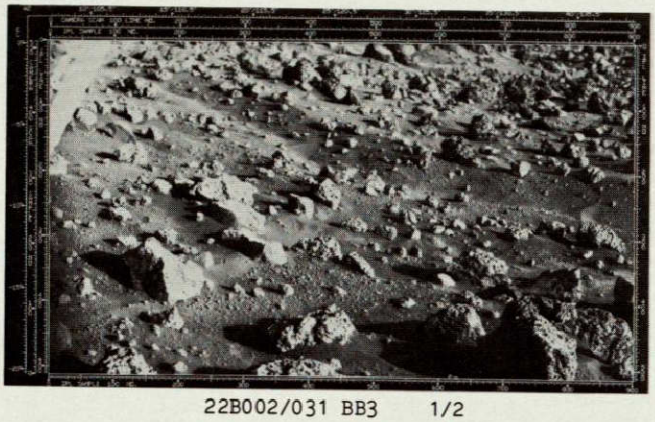
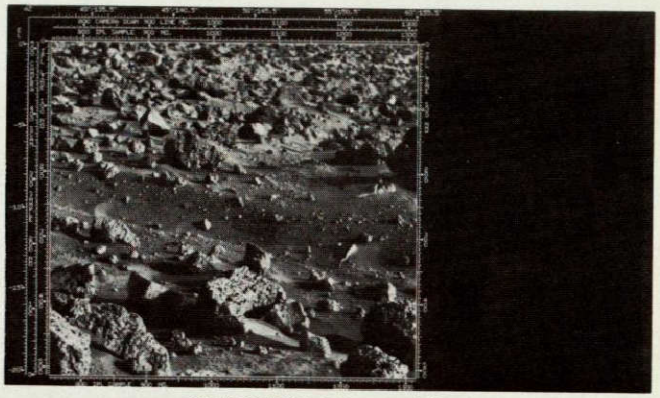
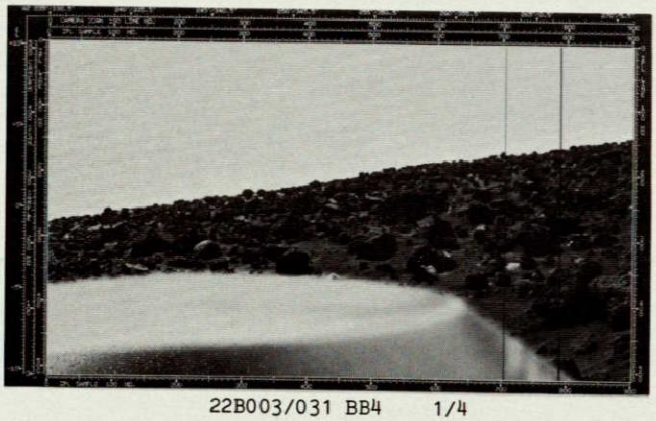


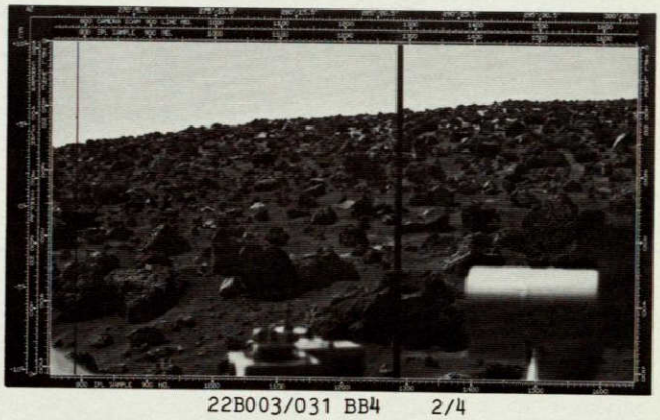
22B002/031 BB3 1/2



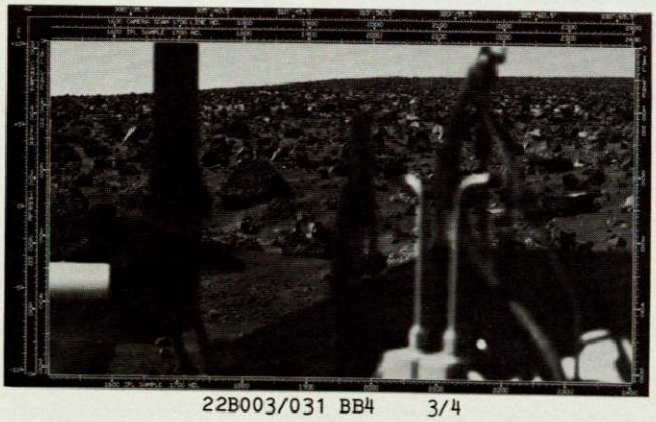
22B002/031 BB3 2/2



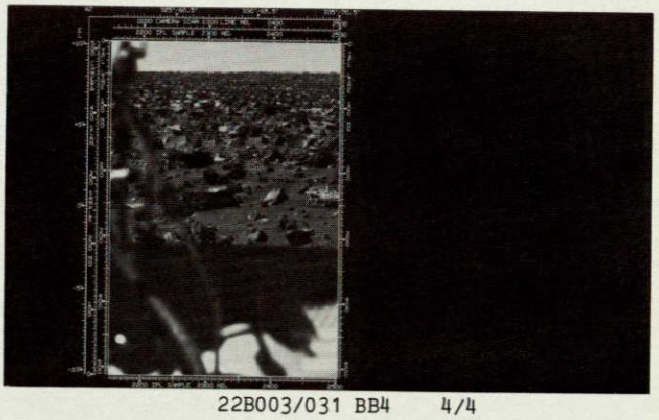
22B003/031 BB4 1/4



22B003/031 BB4 2/4

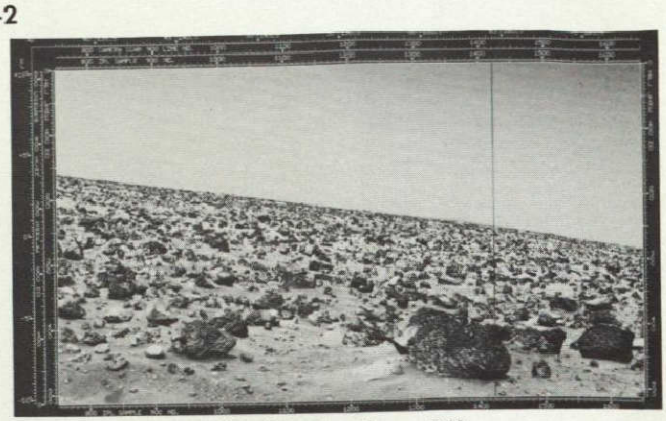


22B003/031 BB4 3/4

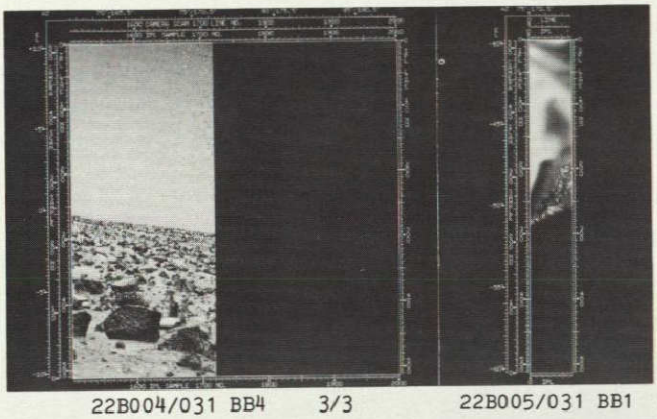


22B003/031 BB4 4/4

22B004/031 BB4 1/3

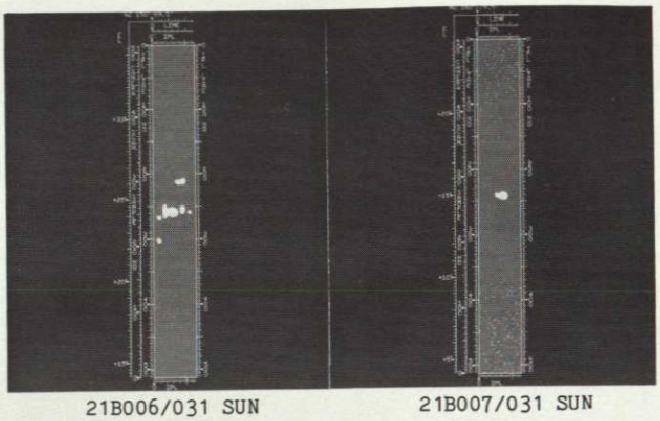


22B004/031 BB4 2/3



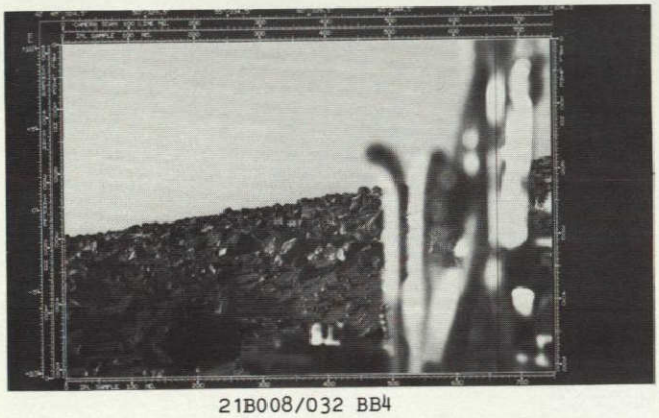
22B004/031 BB4 3/3

22B005/031 BB1

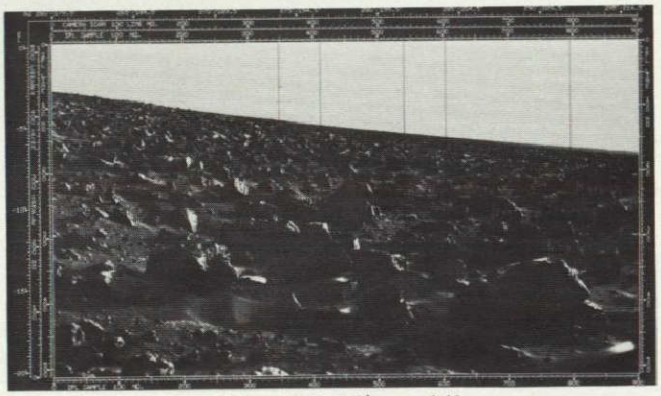


21B006/031 SUN

21B007/031 SUN

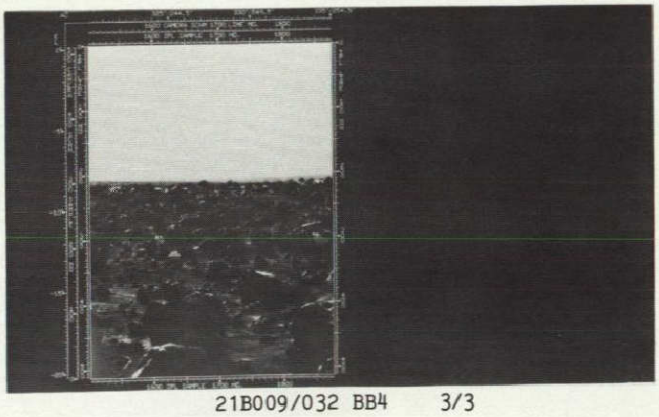


21B008/032 BB4

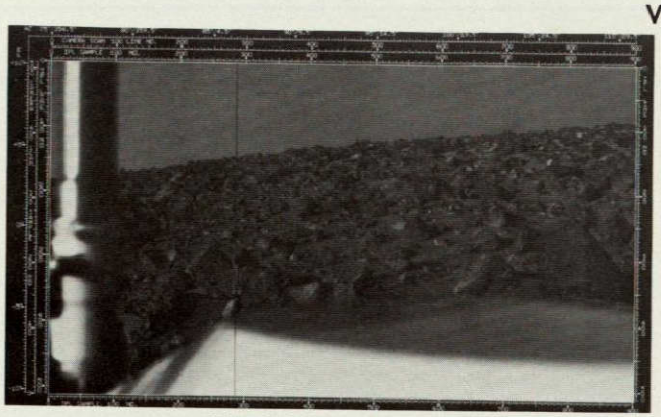


21B009/032 BB4 1/3

21B009/032 BB4 2/3



21B009/032 BB4 3/3



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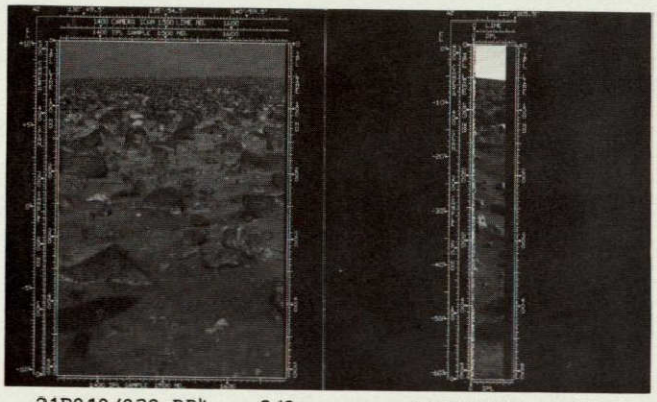
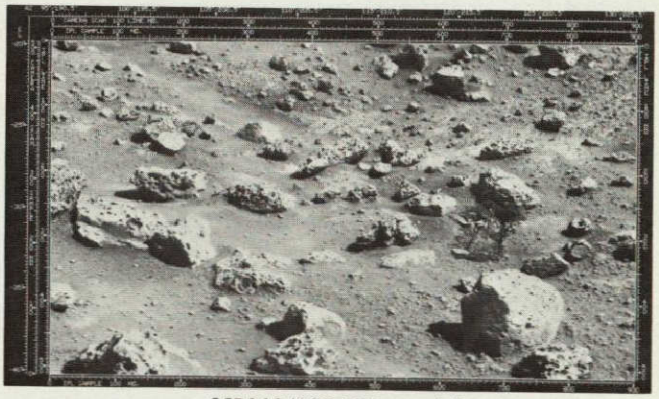
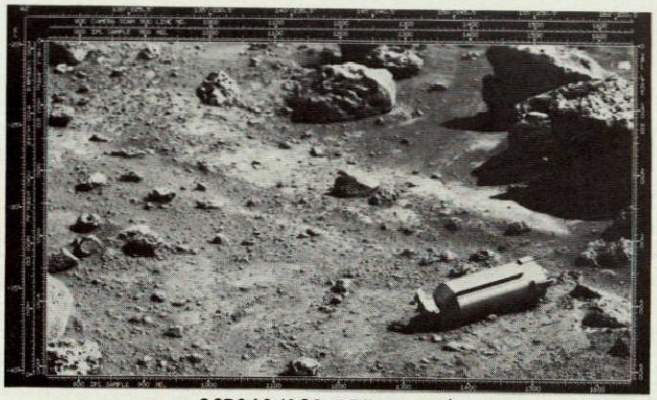
21B010/032 BB4 2/3



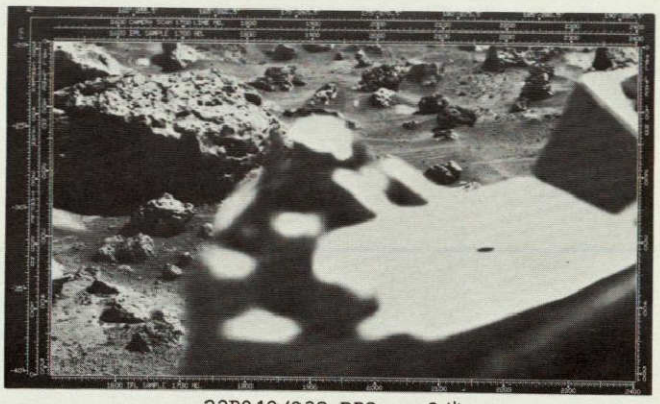
21B010/032 BB4 3/3 22B011/032 SURV



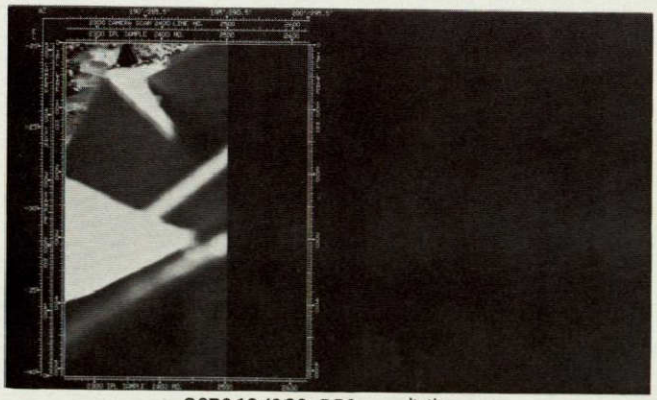
22B012/032 BB2 1/4



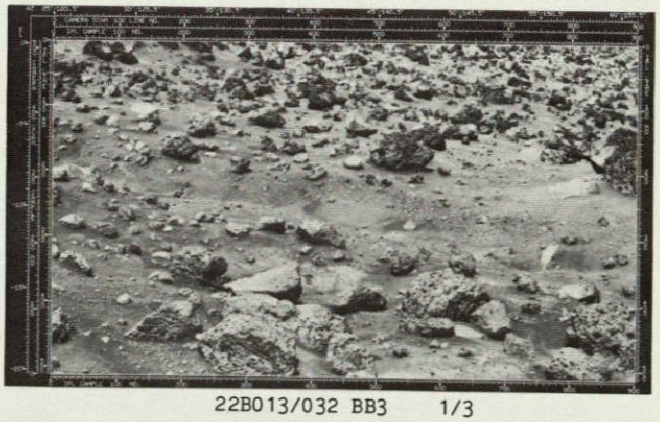
22B012/032 BB2 2/4



22B012/032 BB2 3/4



22B012/032 BB2 4/4



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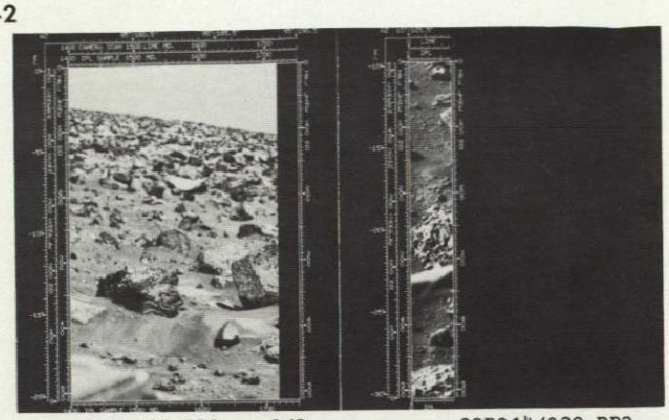
22B013/032 BB3 2/3



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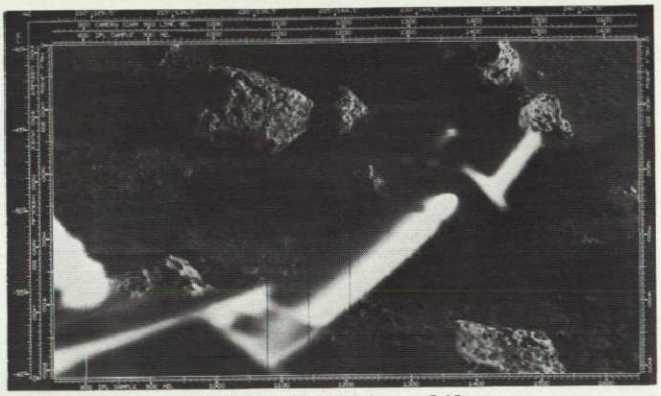
21B015/033 BB1 1/3



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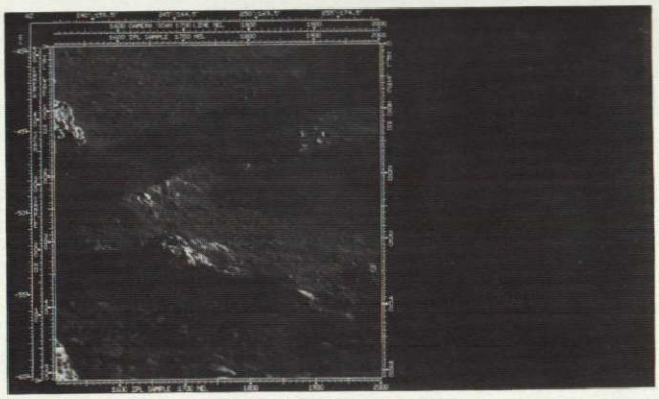
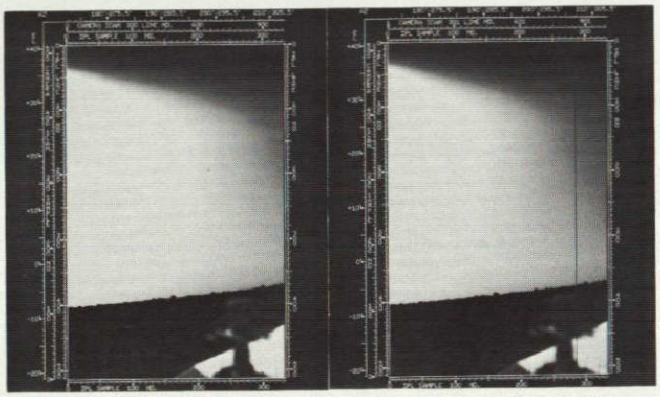
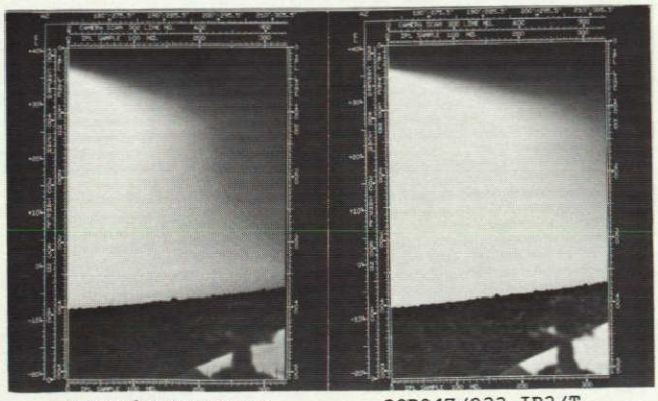


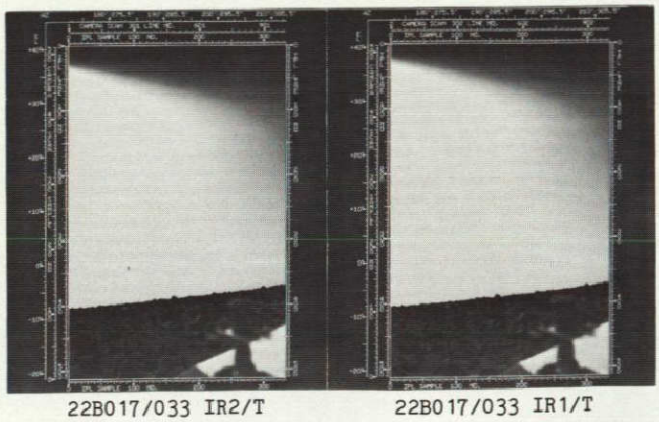
21B015/033 BB1 3/3



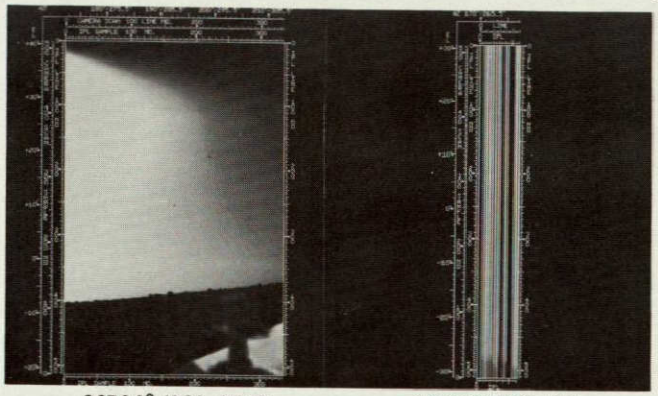
22B016/033 BLU/T 22B016/033 GRN/T



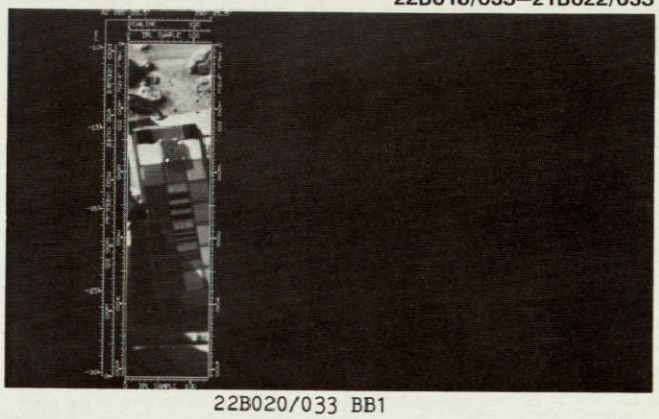
22B016/033 RED/T 22B017/033 IR3/T



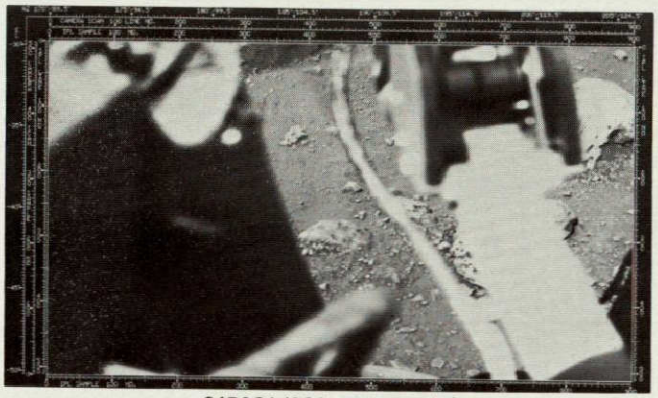
22B017/033 IR2/T 22B017/033 IR1/T



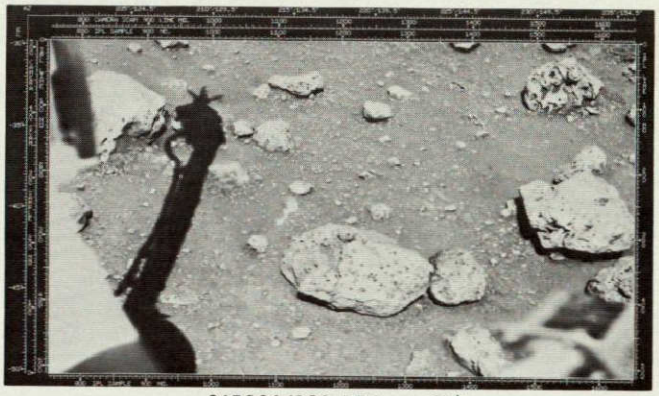
22B018/033 SURV 22B019/033 CAL



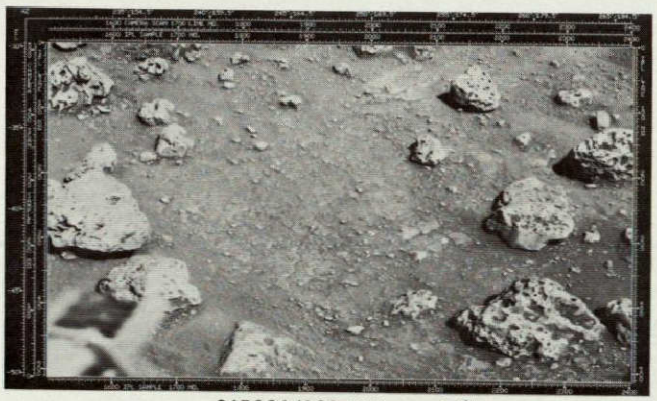
22B020/033 BB1



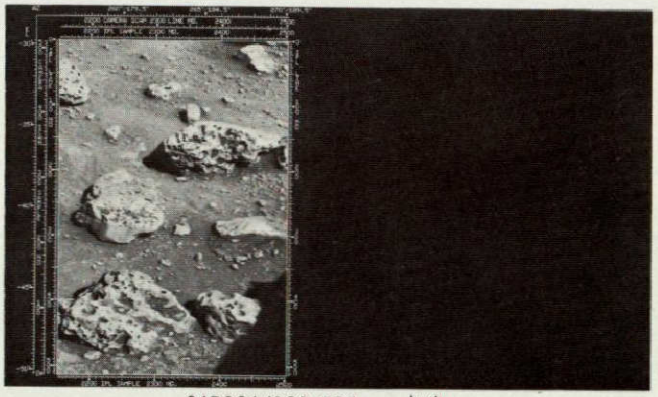
21B021/033 BB1 1/4



21B021/033 BB1 2/4



21B021/033 BB1 3/4



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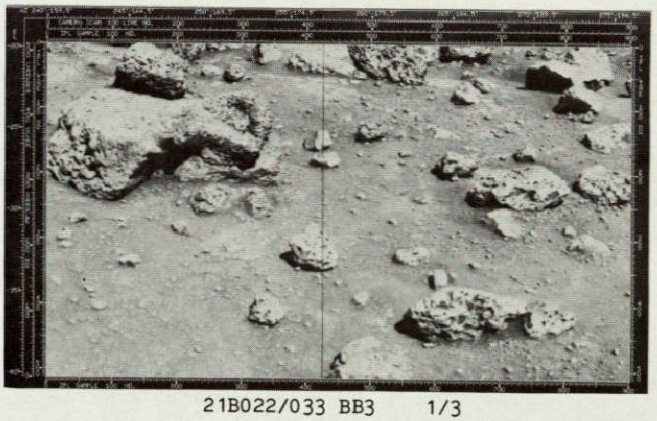

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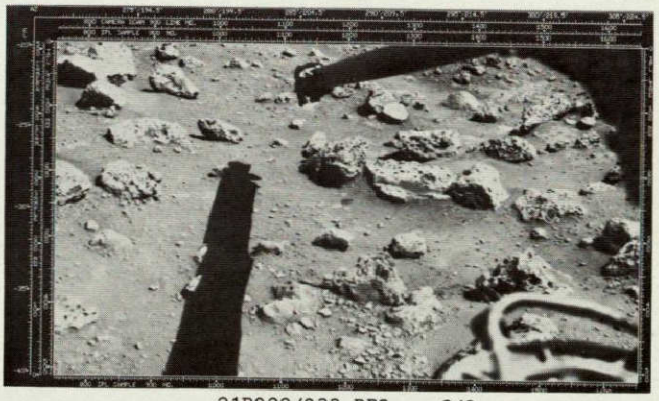
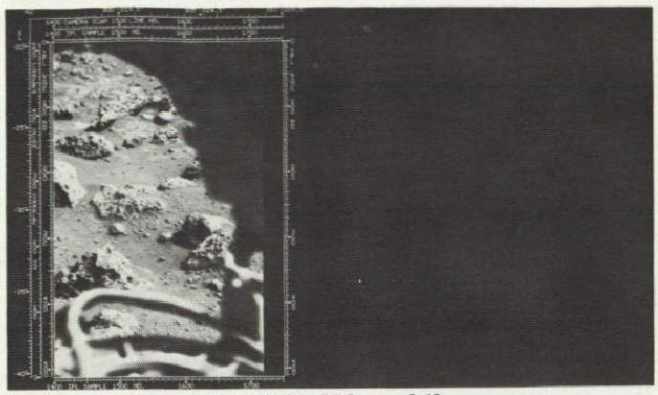
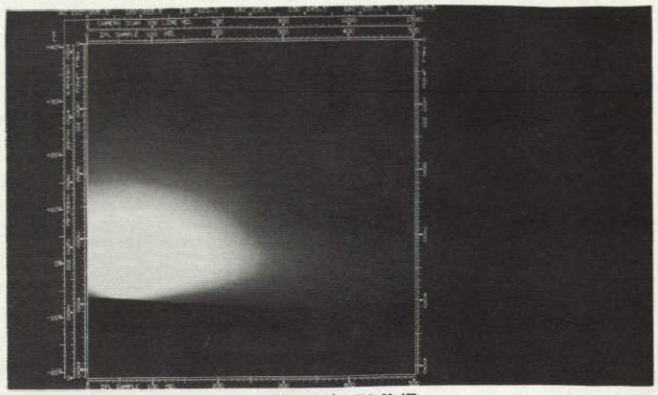


21B022/033 BB3 2/3



21B022/033 BB3 3/3



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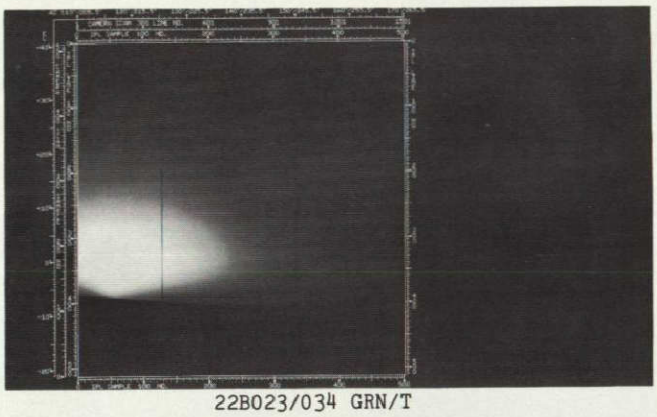

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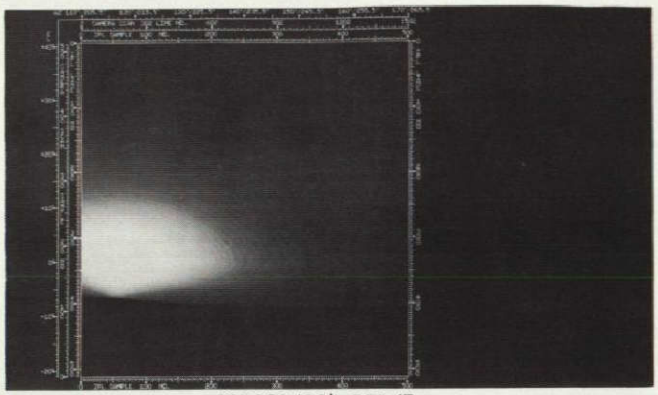
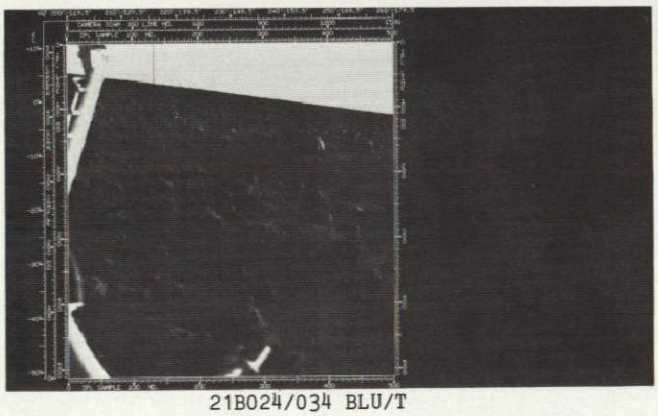
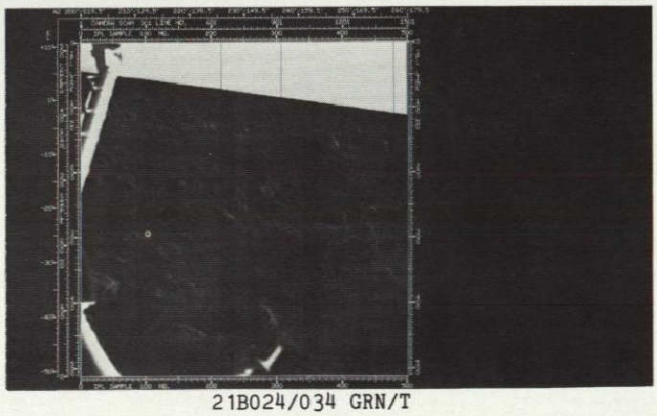


22B023/034 RED/T



21B024/034 BLU/T



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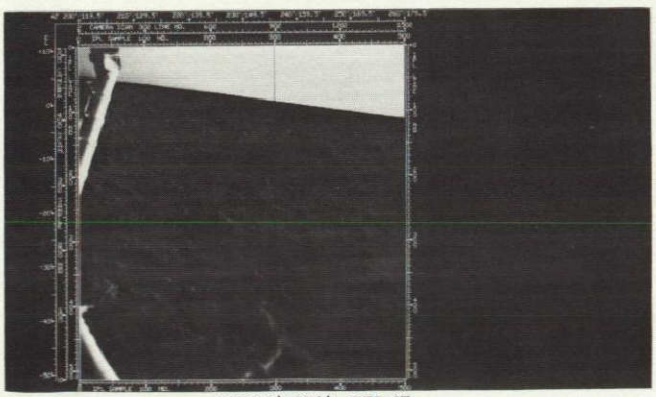

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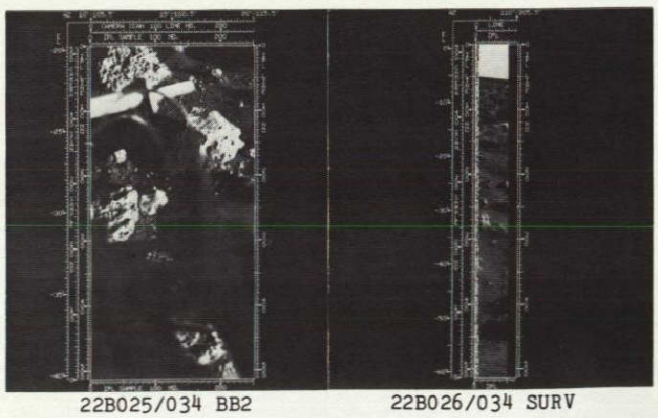
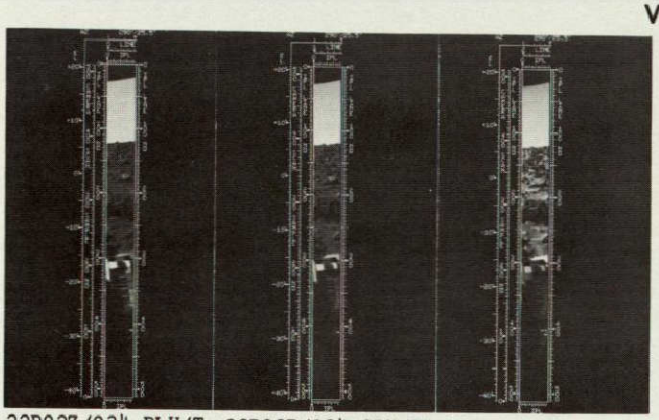
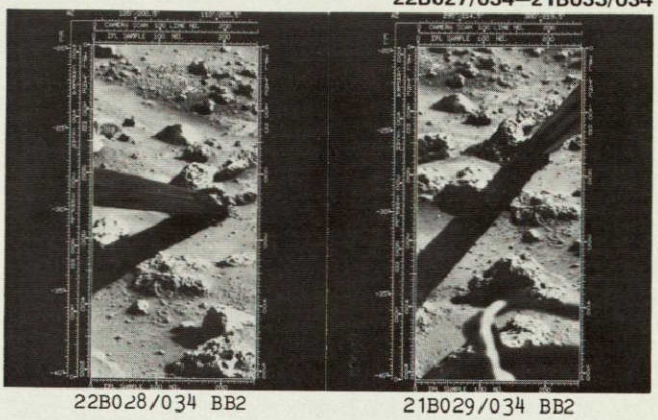


22B025/034 BB2

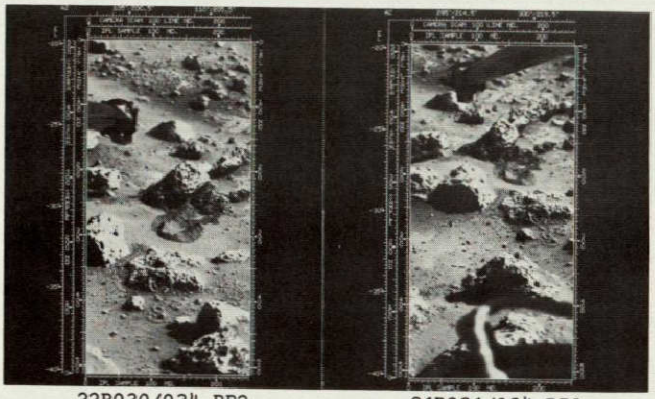
22B026/034 SURV



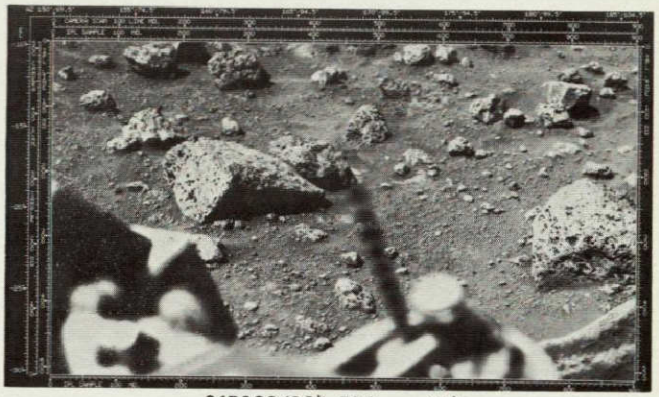
22B027/034 BLU/T 22B027/034 GRN/T 22B027/034 RED/T



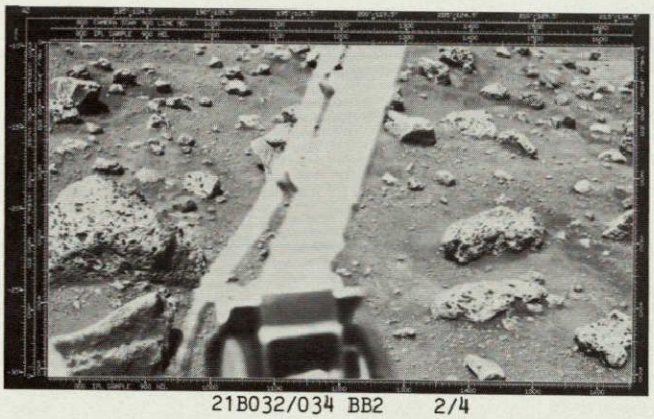
22B028/034 BB2 21B029/034 BB2



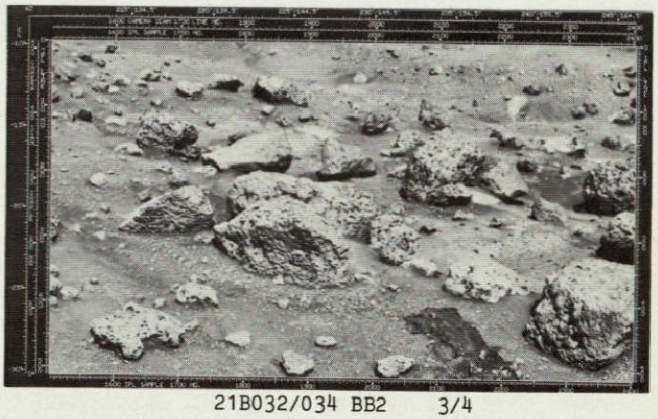
22B030/034 BB2 21B031/034 BB2



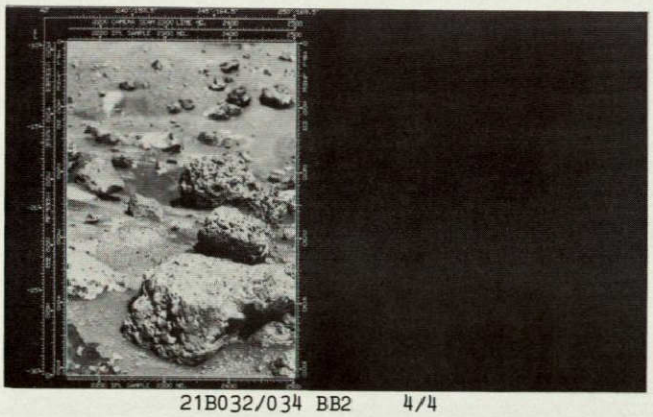
21B032/034 BB2 1/4



21B032/034 BB2 2/4

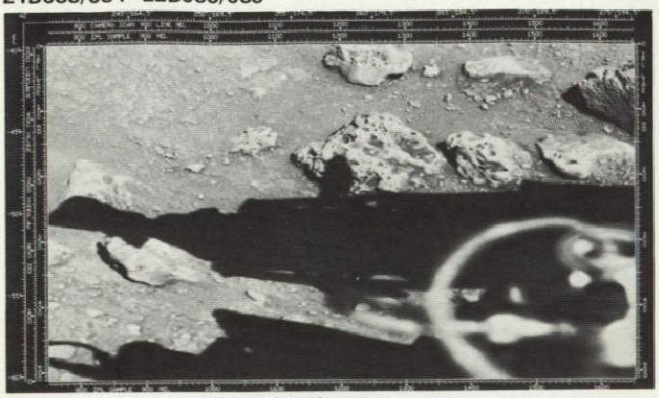


21B032/034 BB2 3/4



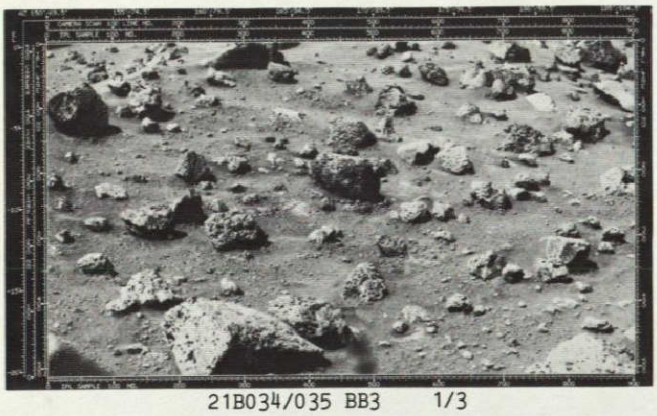
21B032/034 BB2 4/4

21B033/034 BB1 1/3

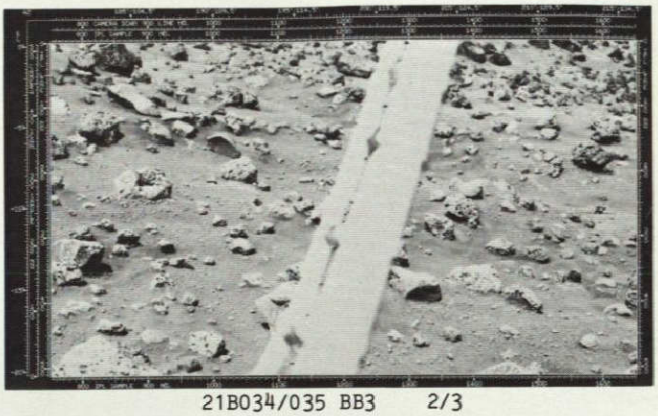


21B033/034 BB1 2/3

21B033/034 BB1 3/3



21B034/035 BB3 1/3



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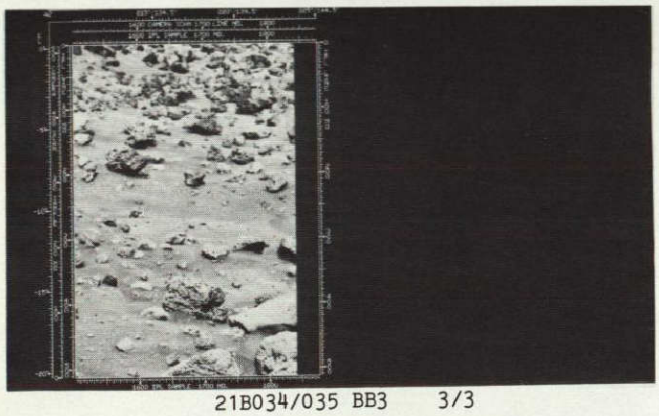
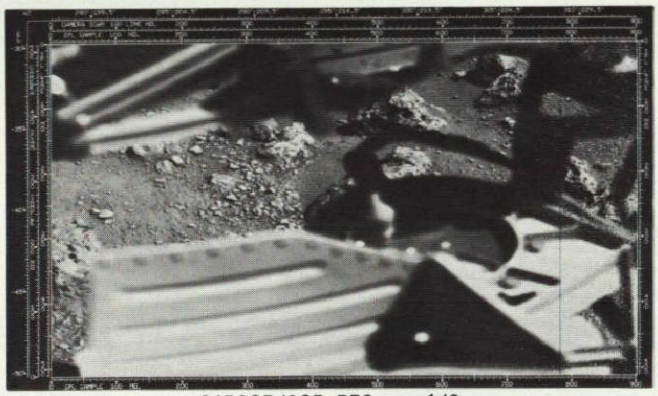


21B034/035 BB3 3/3



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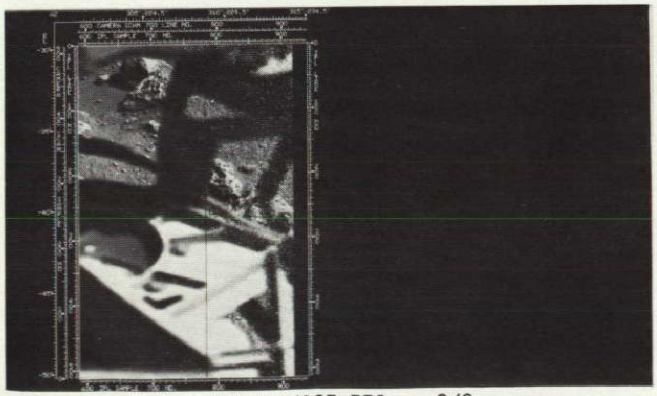
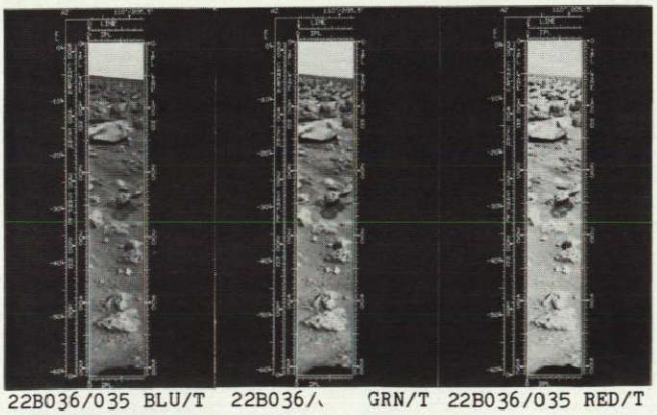
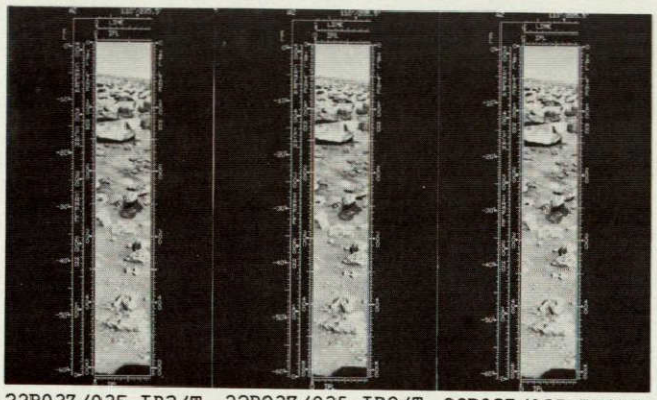


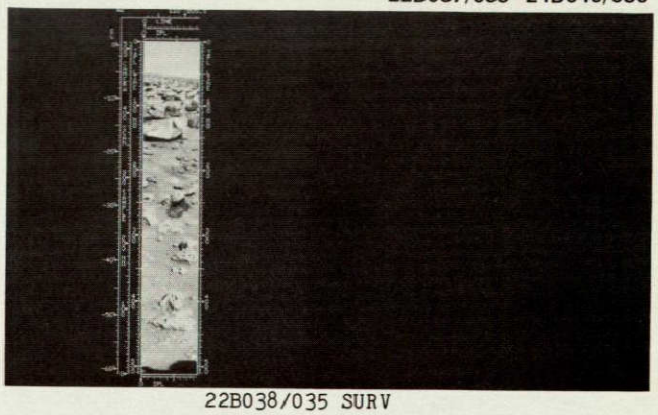
21B035/035 BB2 2/2



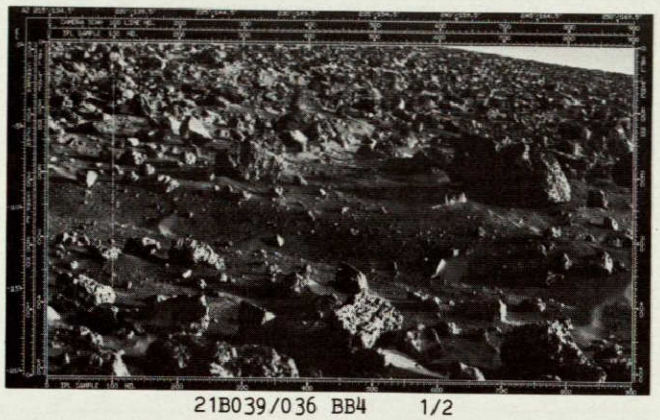
22B036/035 BLU/T 22B036/ GRN/T 22B036/035 RED/T



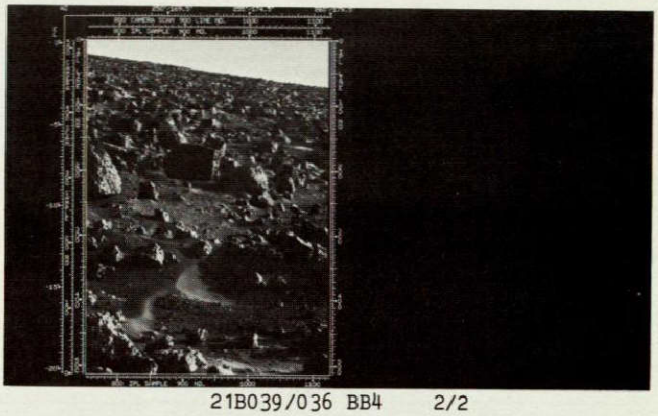
22B037/035 IR3/T 22B037/035 IR2/T 22B037/035 IR1/T



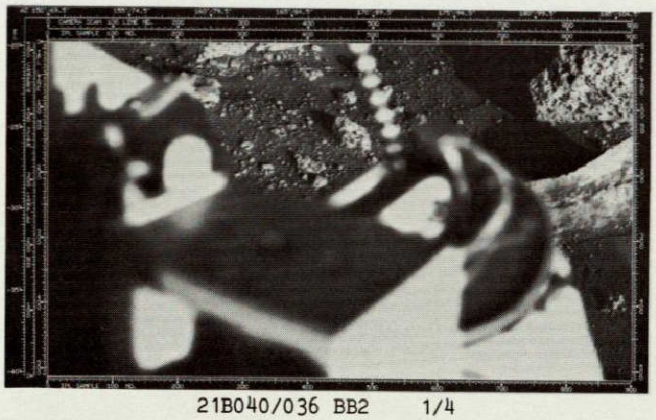
22B038/035 SURV



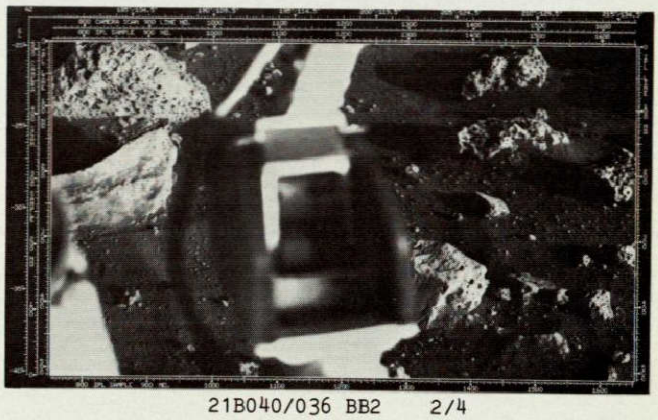
21B039/036 BB4 1/2



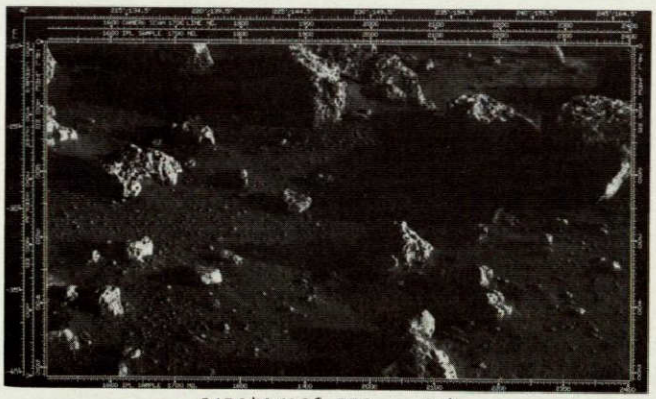
21B039/036 BB4 2/2



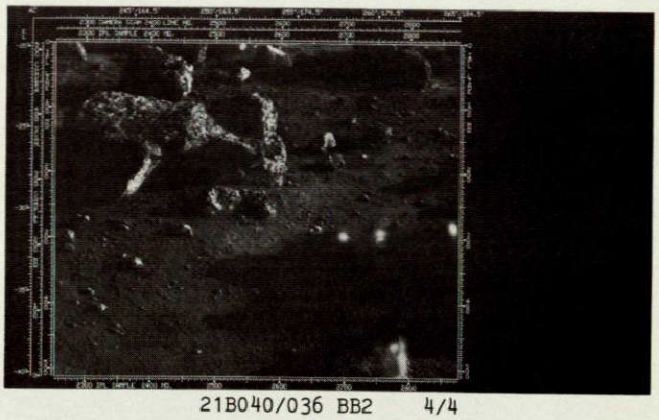
21B040/036 BB2 1/4



21B040/036 BB2 2/4



21B040/036 BB2 3/4



21B040/036 BB2 4/4

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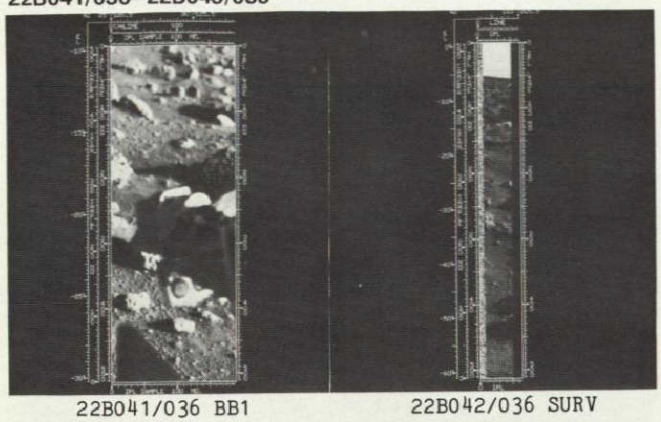
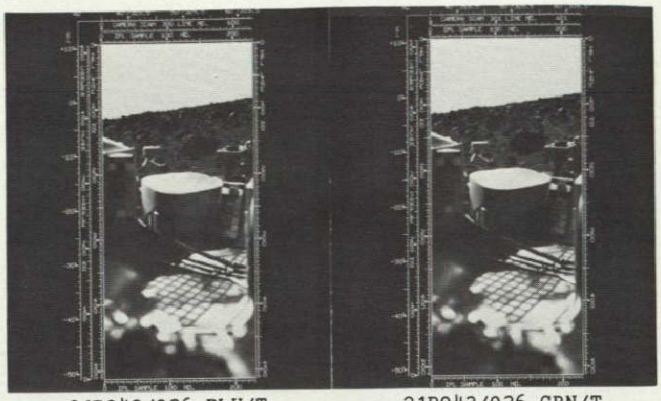
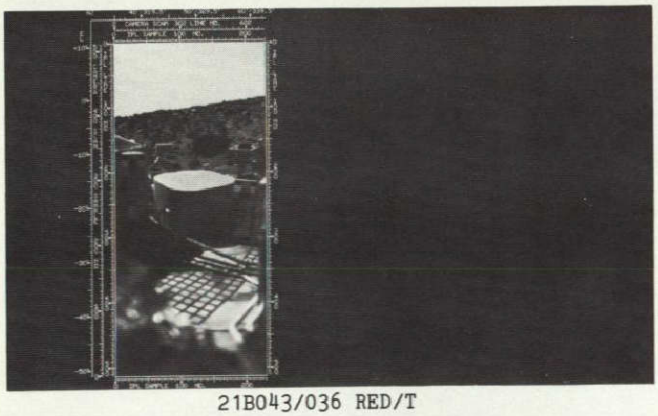


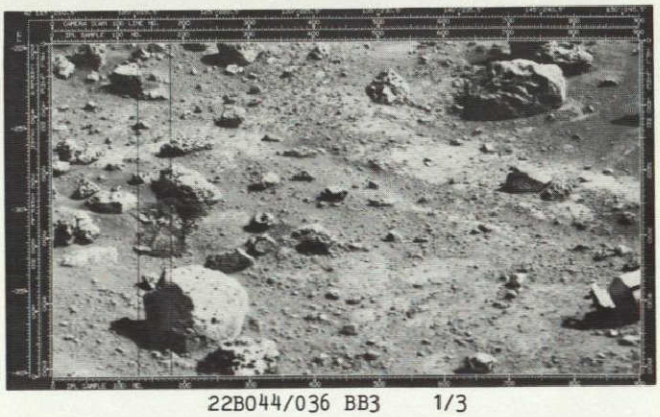
22B041/036 BB1 22B042/036 SURV



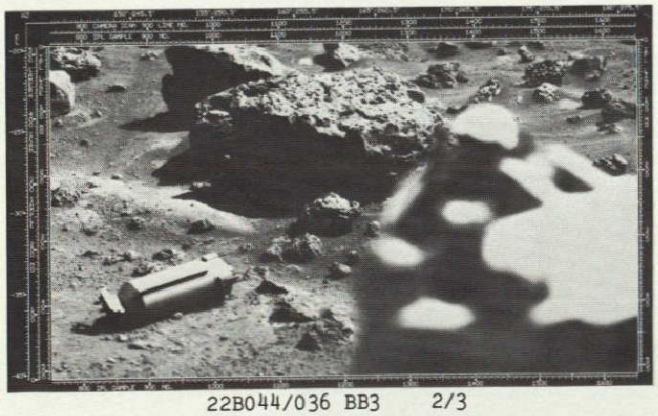
21B043/036 BLU/T 21B043/036 GRN/T



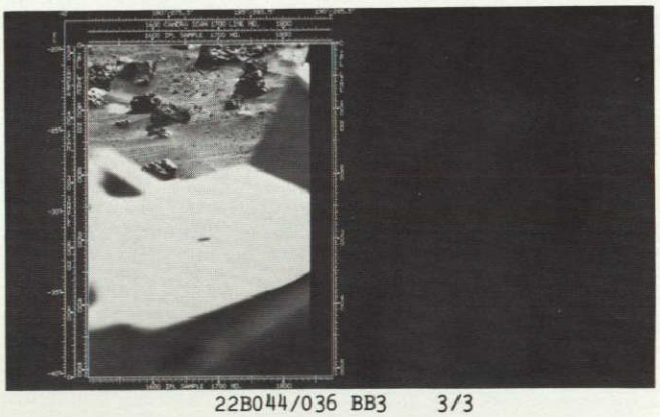
21B043/036 RED/T



22B044/036 BB3 1/3

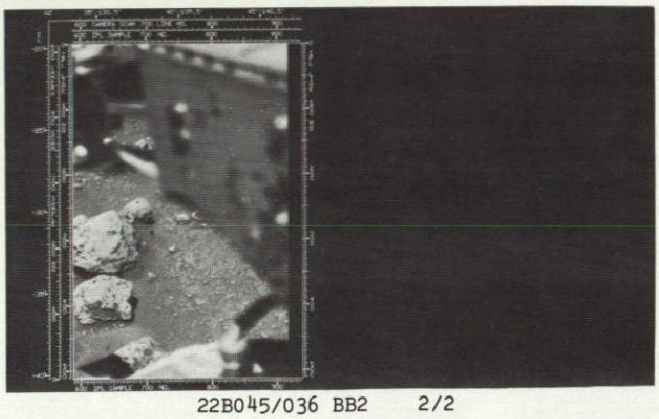


22B044/036 BB3 2/3

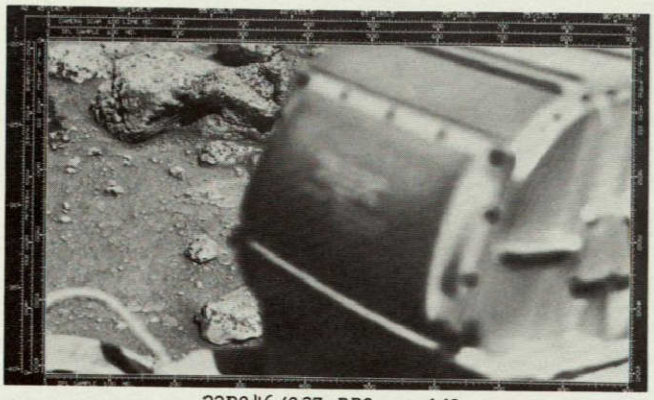


22B044/036 BB3 3/3

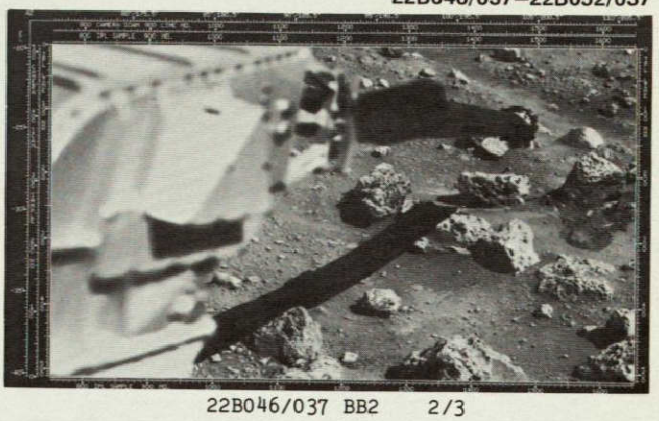
22B045/036 BB2 1/2



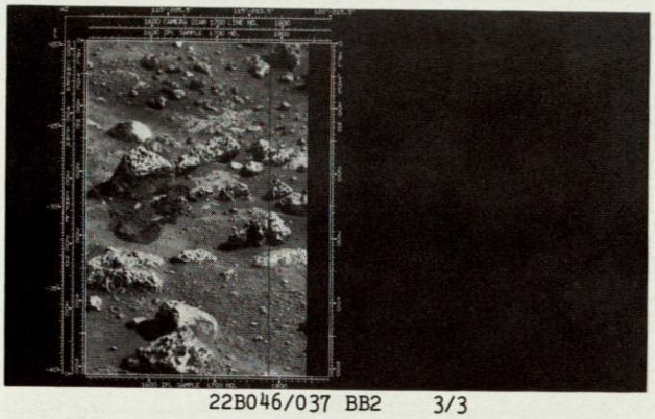
22B045/036 BB2 2/2



22B046/037 BB2 1/3



22B046/037 BB2 2/3



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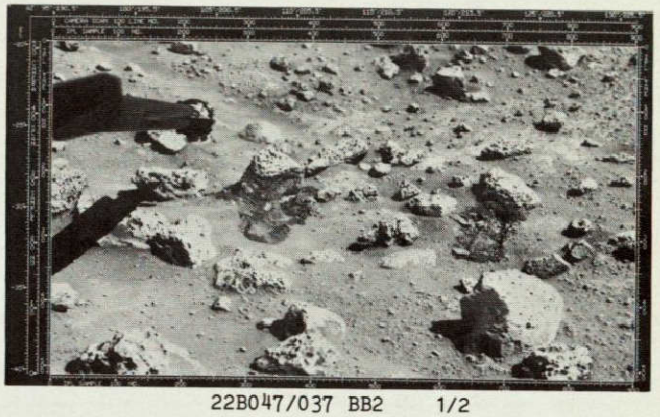
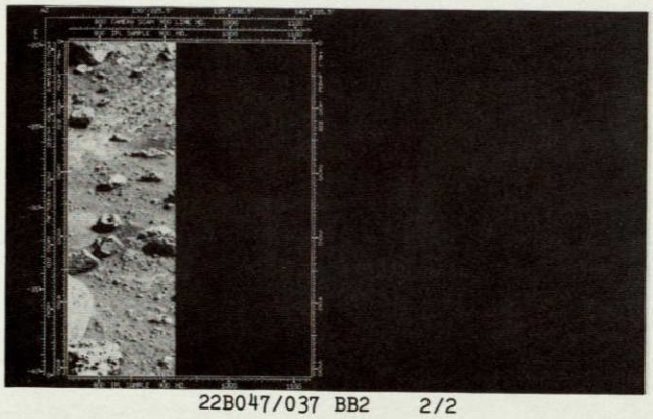


22B047/037 BB2 1/2



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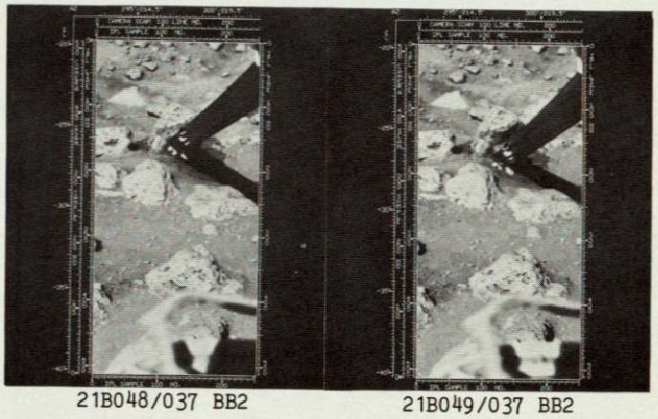
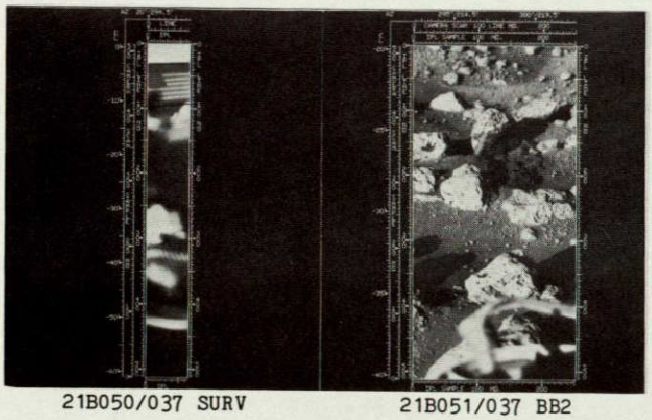
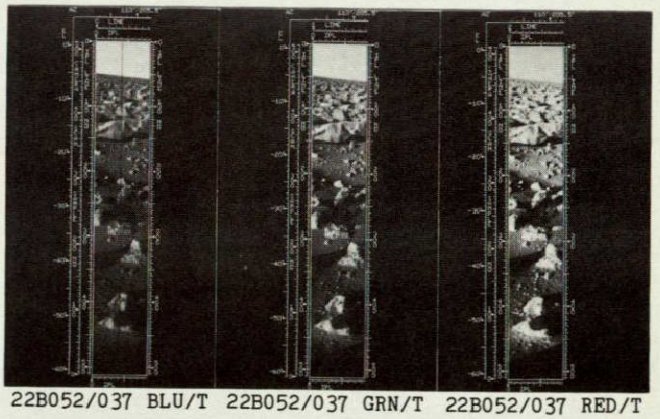


21B048/037 BB2 21B049/037 BB2

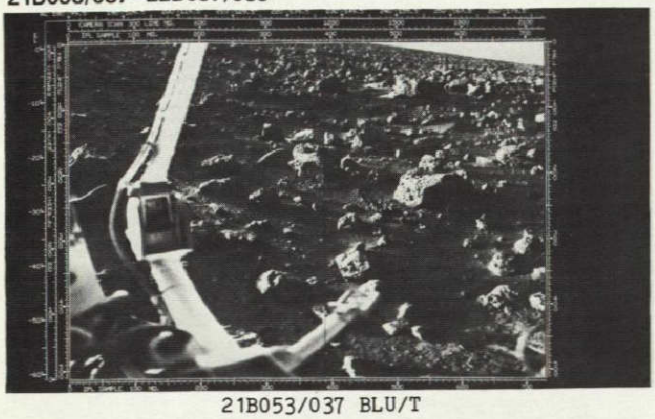


21B050/037 SURV 21B051/037 BB2



22B052/037 BLU/T 22B052/037 GRN/T 22B052/037 RED/T

VL-2



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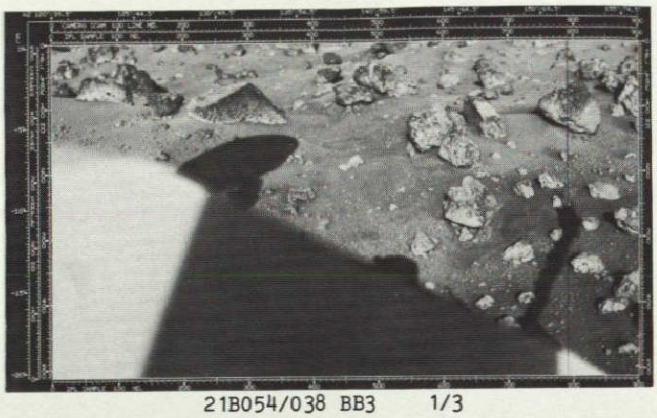
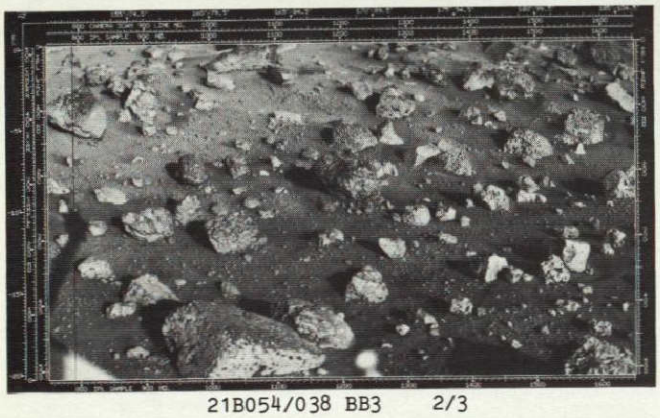
21B053/037 GRN/T

21B053/037 RED/T



21B054/038 BB3 1/3



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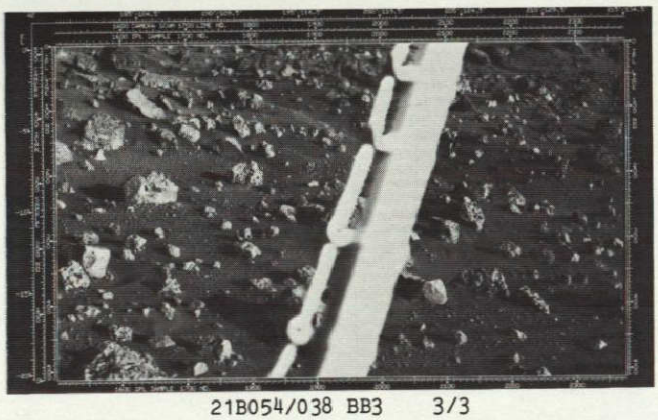
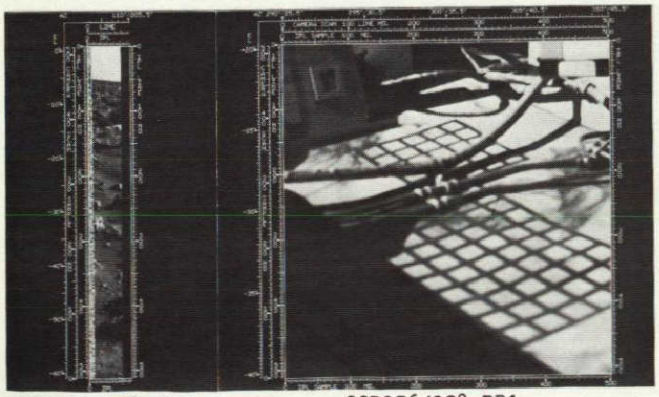
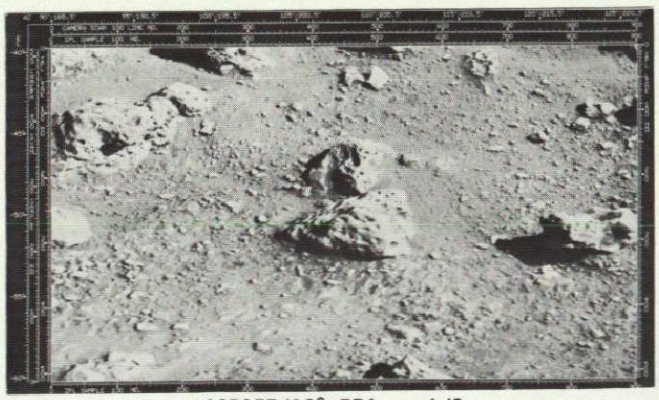


21B054/038 BB3 3/3

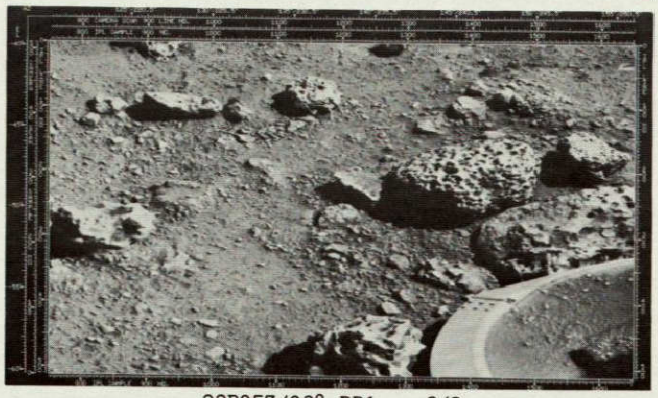


22B055/038 SURV

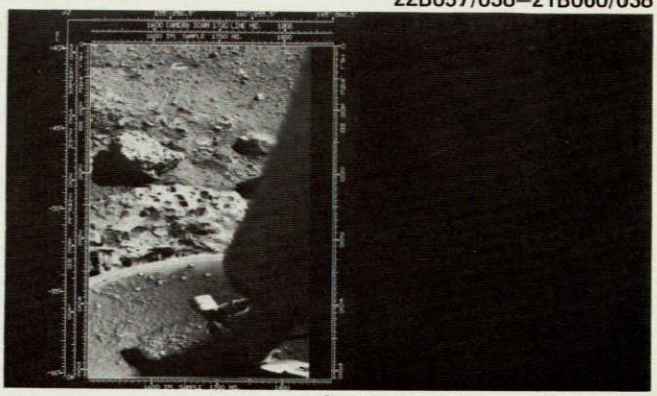
22B056/038 BB1



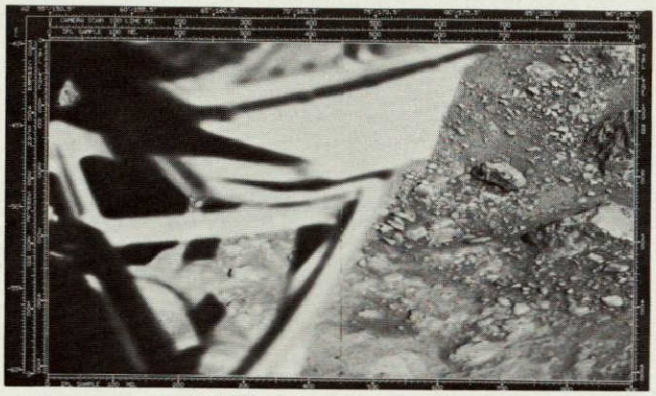
22B057/038 BB1 1/3



22B057/038 BB1 2/3



22B057/038 BB1 3/3



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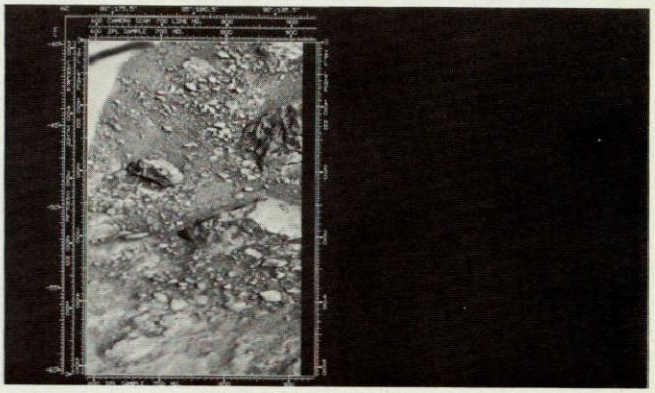

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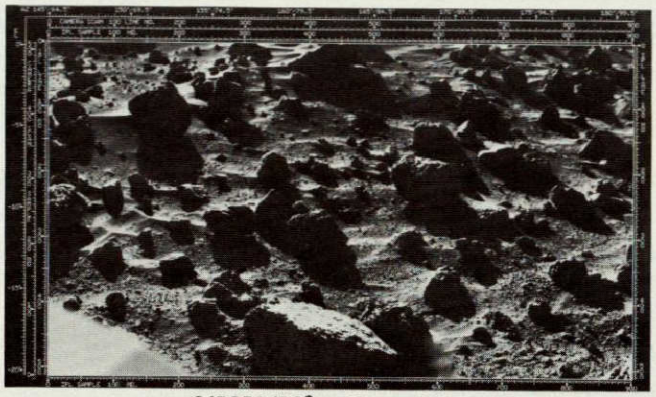

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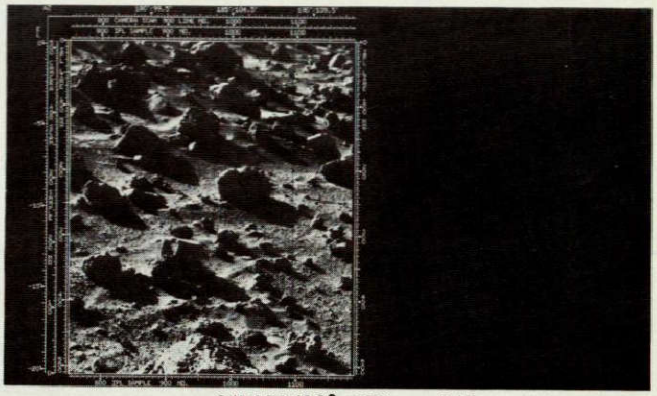

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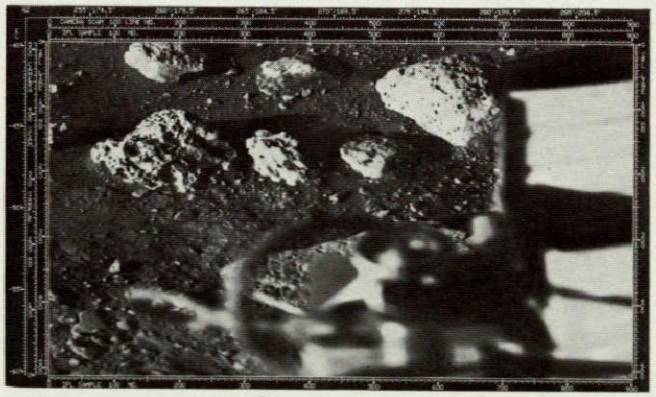

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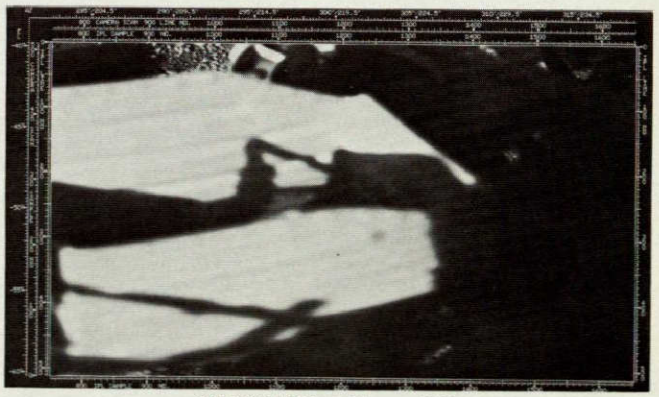
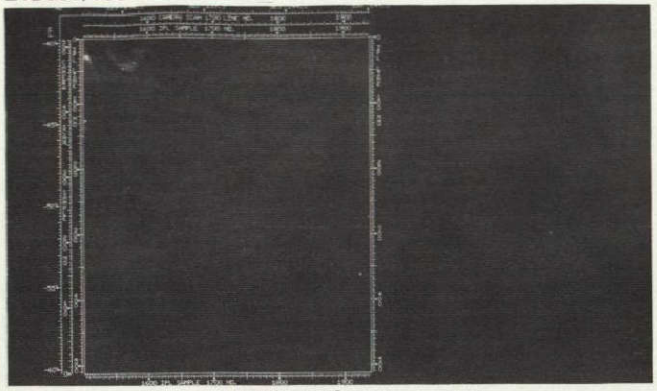


21B060/038 BB1 2/3



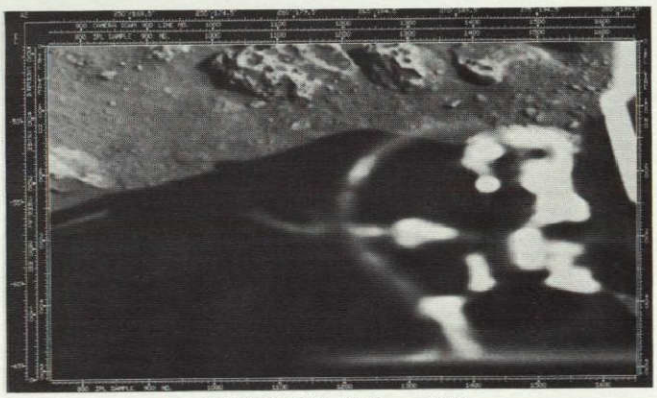
21B060/038 BB1 3/3

22B061/039 BB2 1/3

22B061/039 BB2 2/3

22B061/039 BB2 3/3

21B062/039 BLU 1/3



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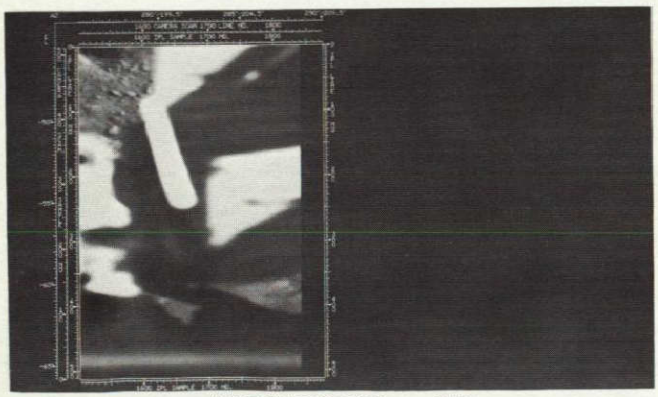

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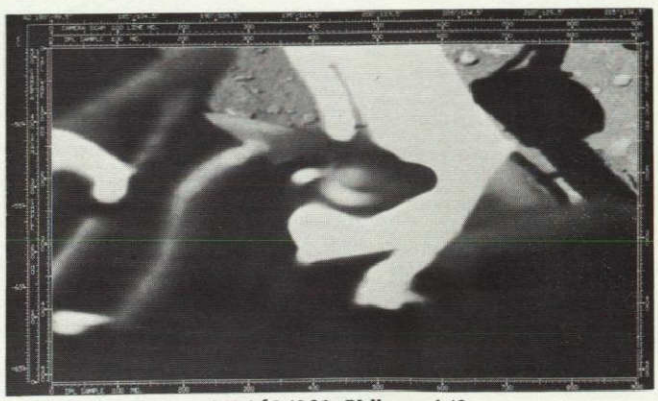

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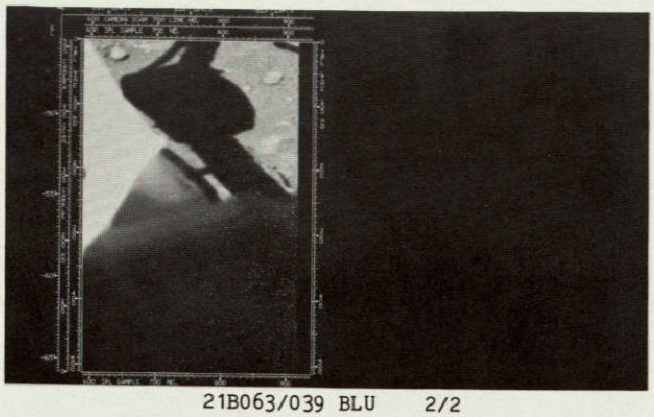

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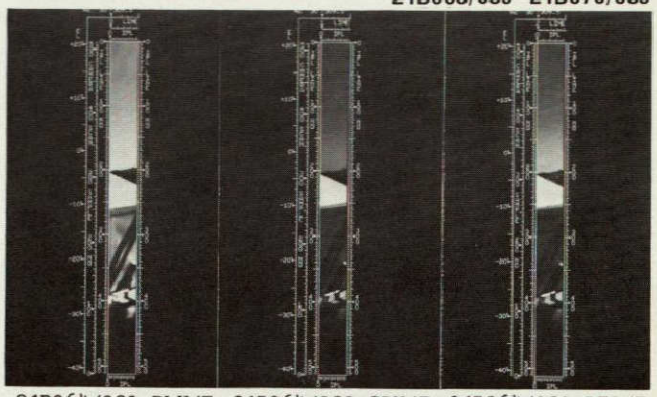

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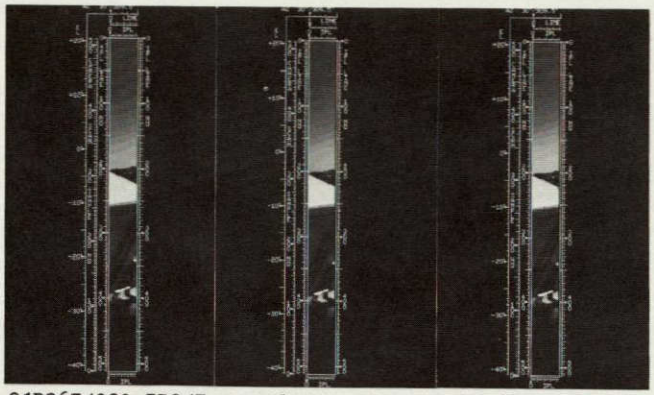

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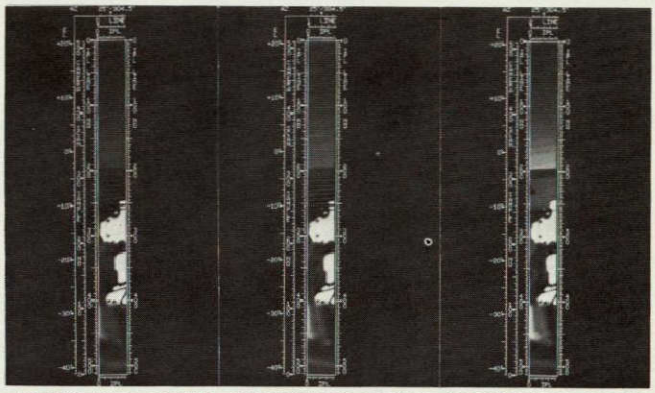

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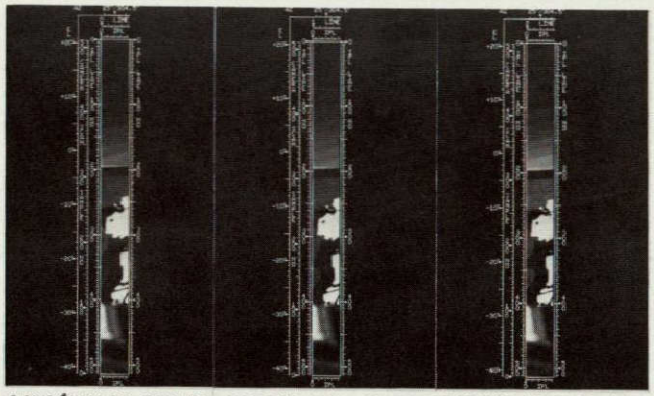

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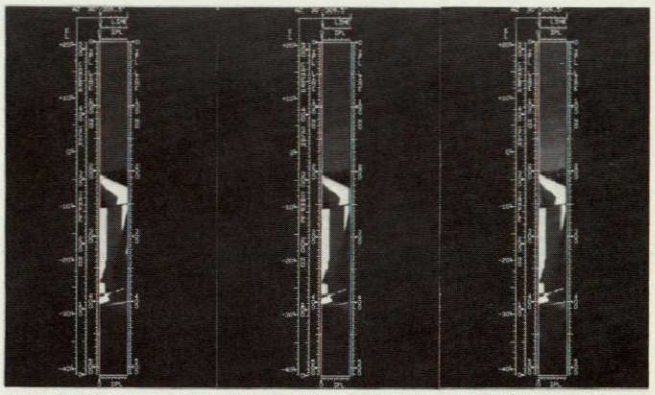

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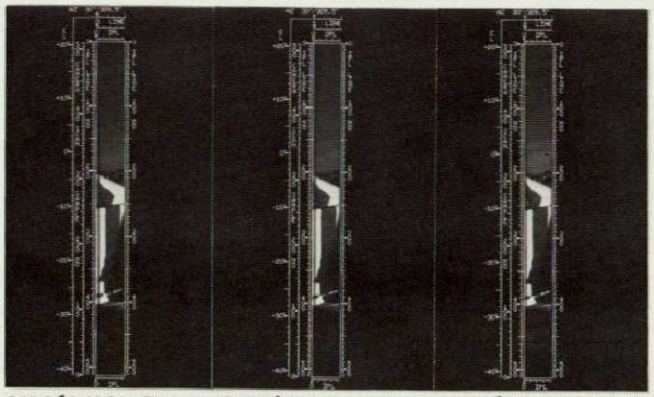

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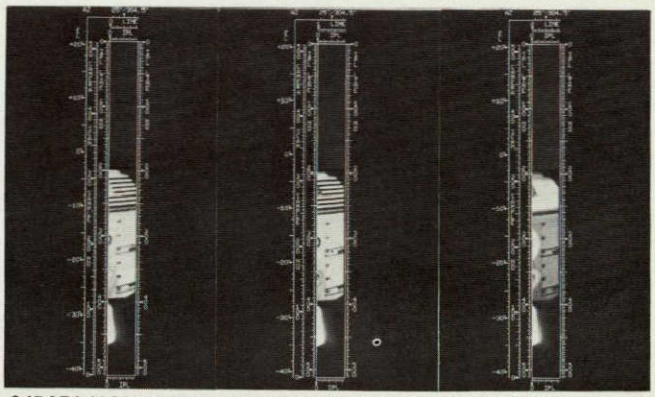

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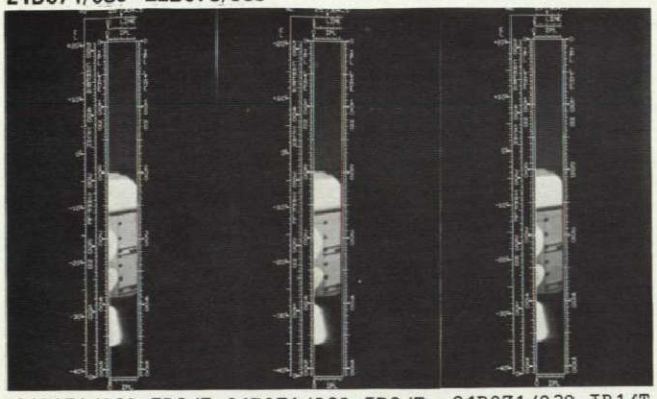
VL-2



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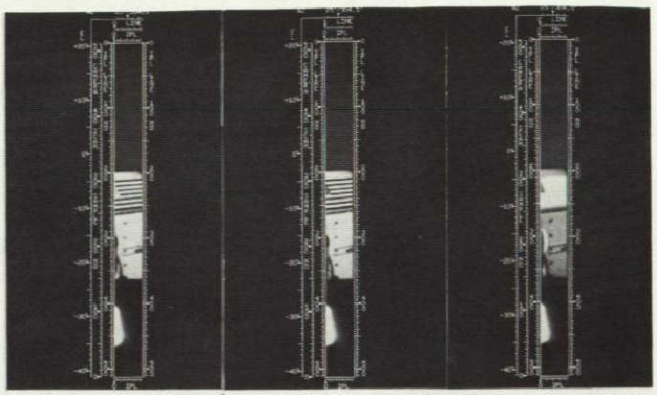

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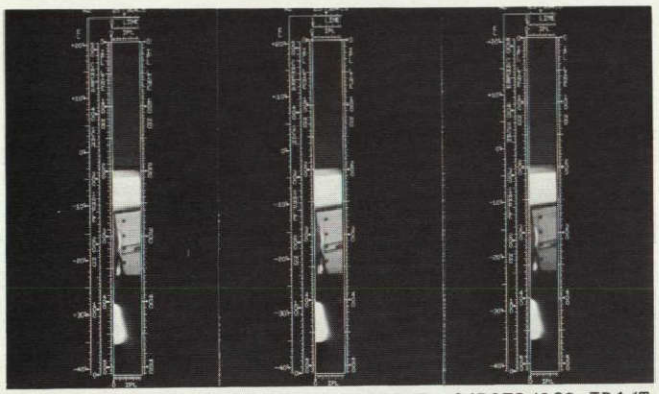

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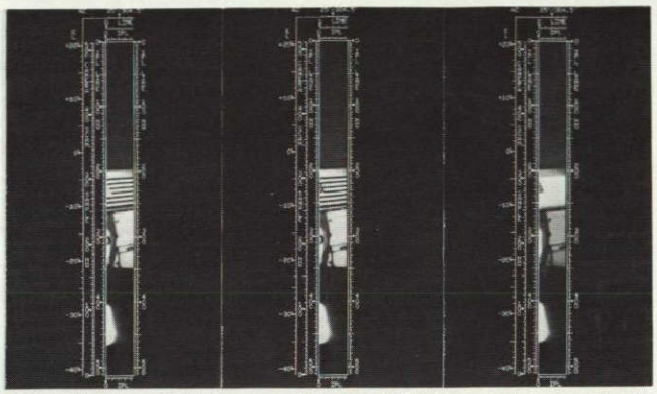

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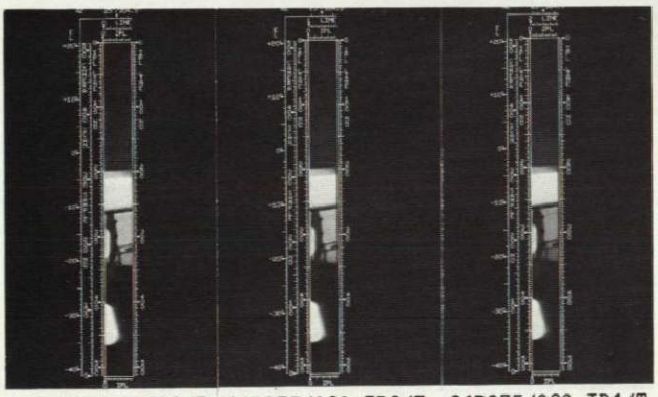

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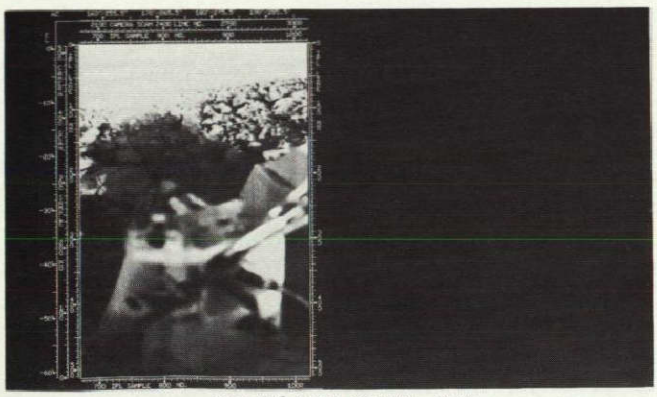
22B076/039 BLU/T 1/2



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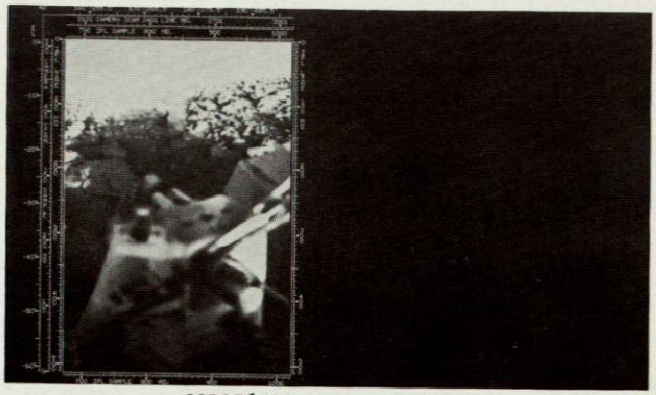
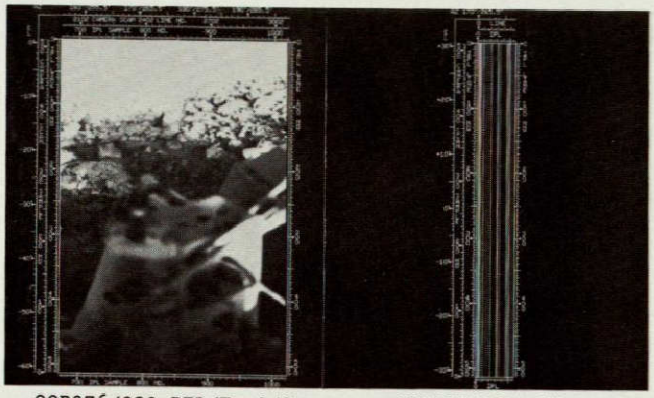
22B076/039 GRN/T 1/2

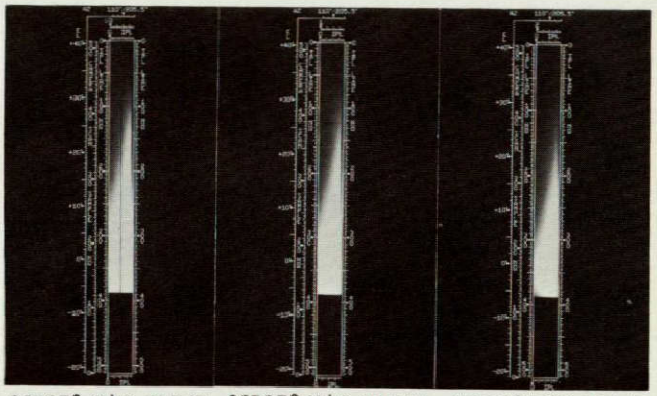


22B076/039 GRN/T 2/2

22B076/039 RED/T 1/2



22B076/039 RED/T 2/2 22B077/039 CAL



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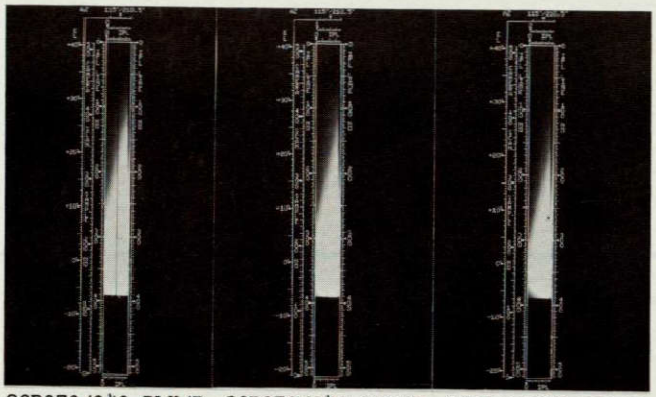

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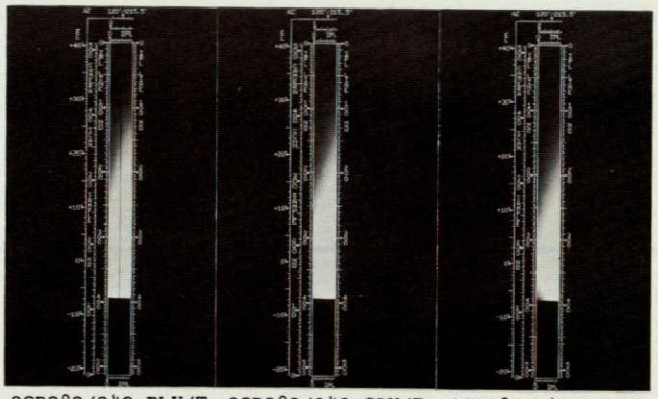

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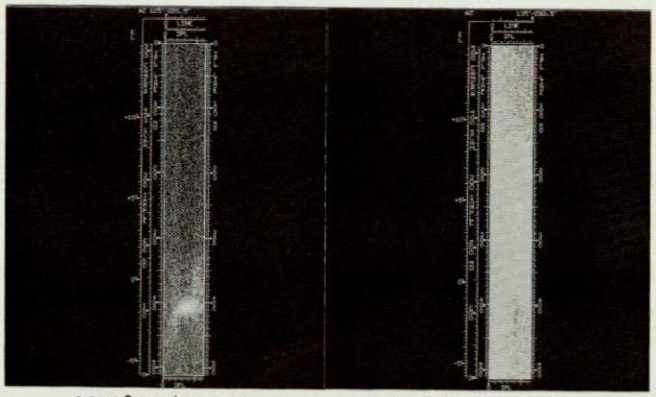
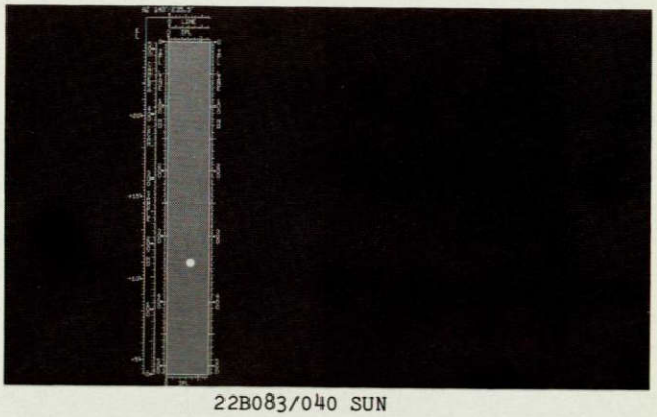


22B081/040 SUN 22B082/040 SUN



22B083/040 SUN

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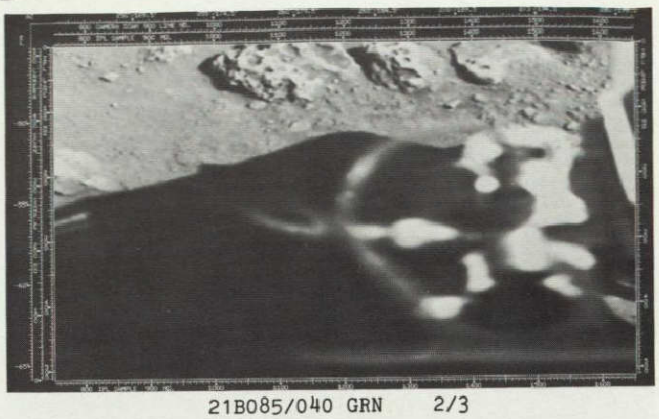
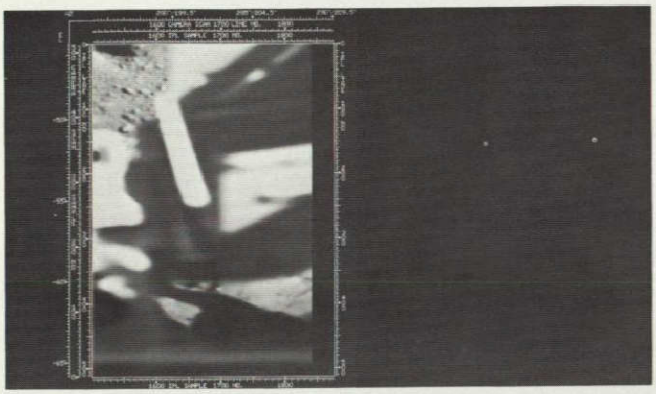
21B085/040 GRN 1/3

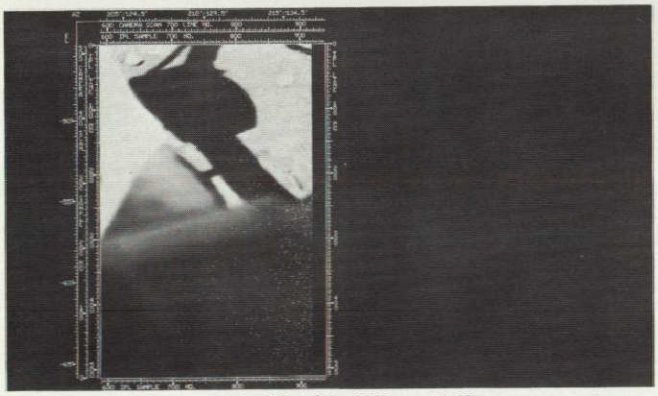


21B085/040 GRN 2/3



21B085/040 GRN 3/3

21B086/040 GRN 1/2



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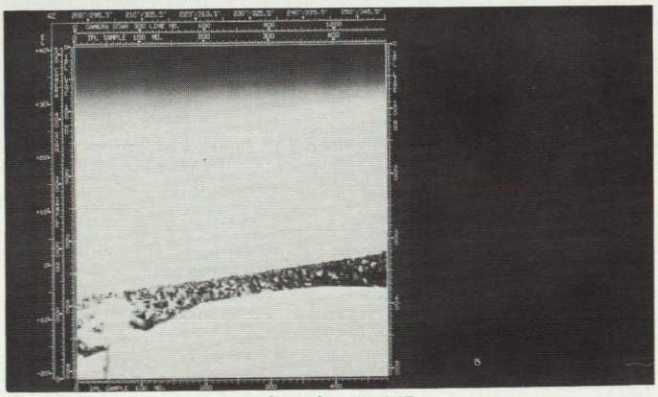

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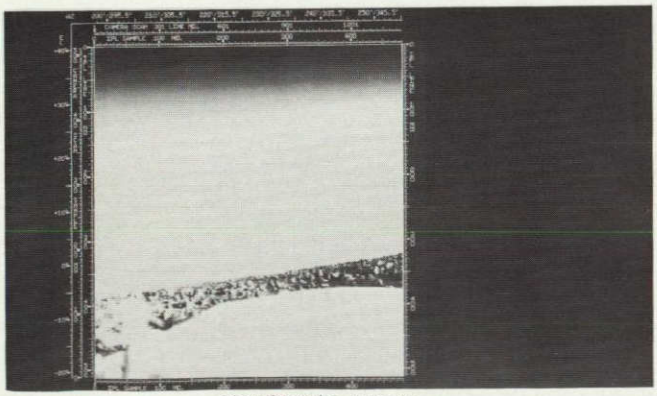

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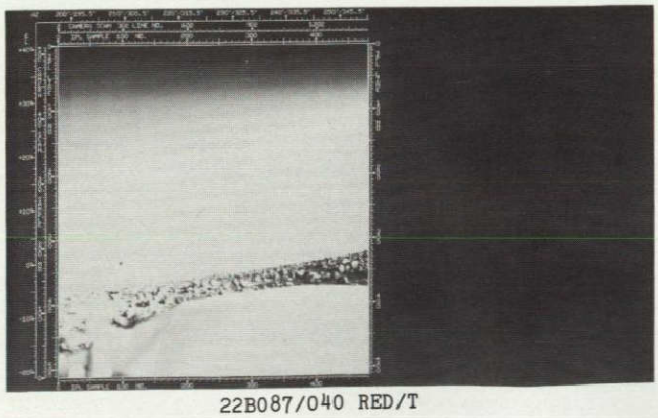

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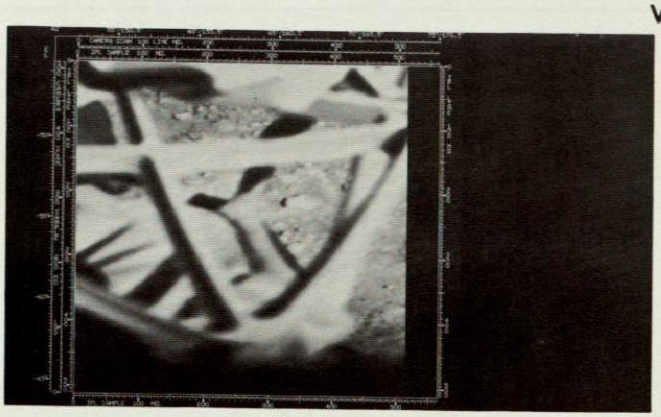
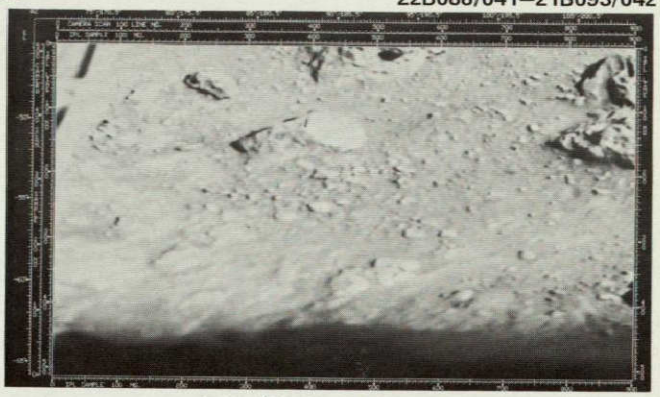
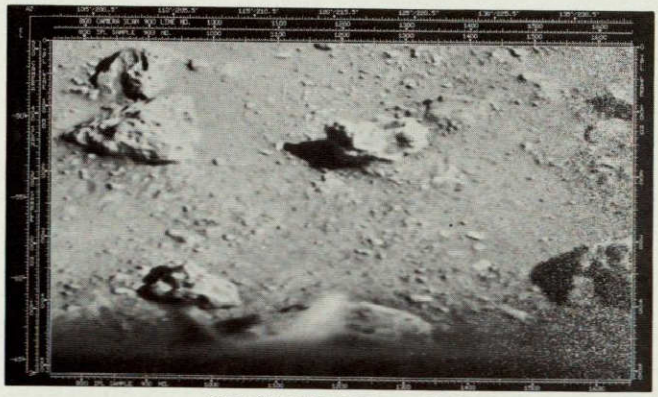


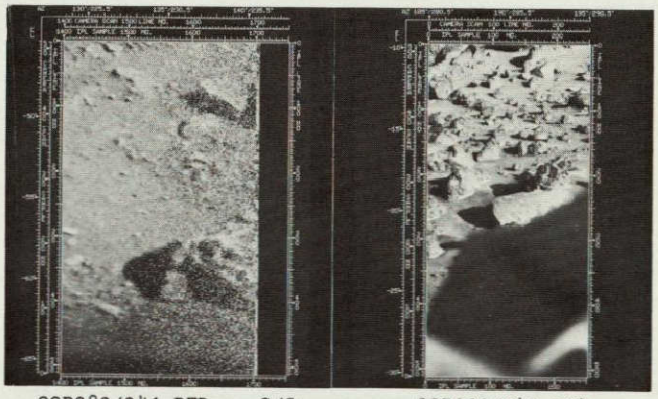
22B088/041 RED



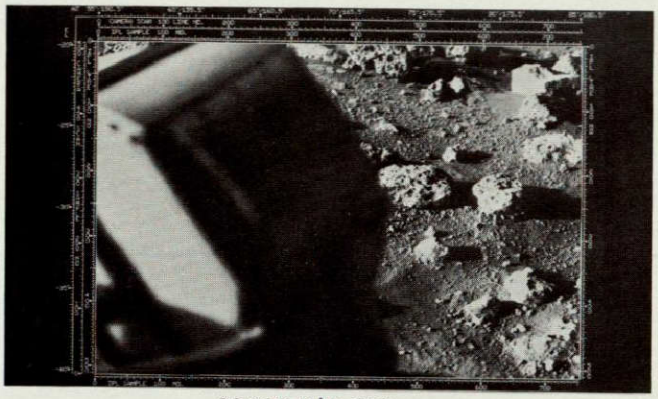
22B089/041 RED 1/3



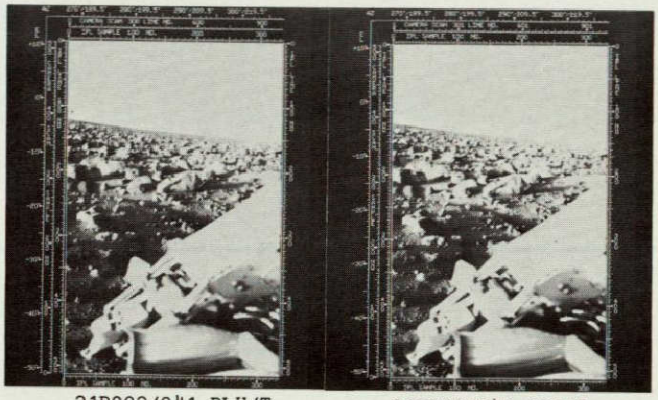
22B089/041 RED 2/3



22B089/041 RED 3/3 22B090/041 BB4

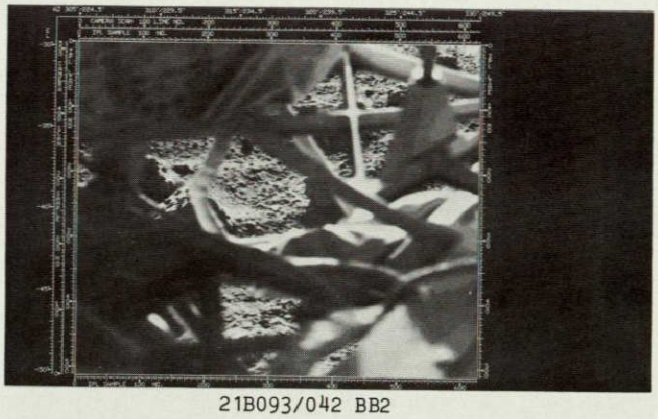


22B091/041 BB2

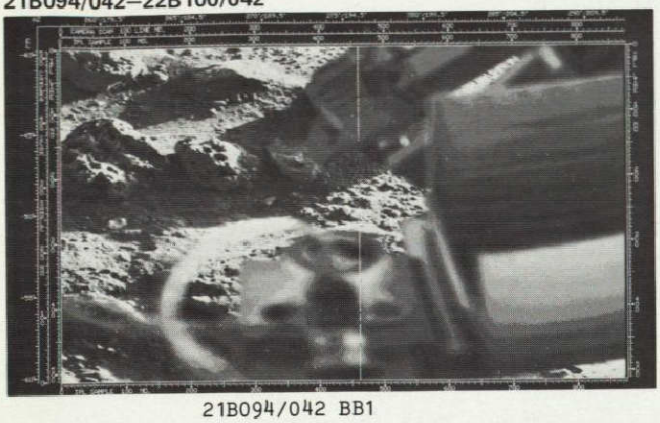


21B092/041 BLU/T 21B092/041 GRN/T

21B092/041 RED/T



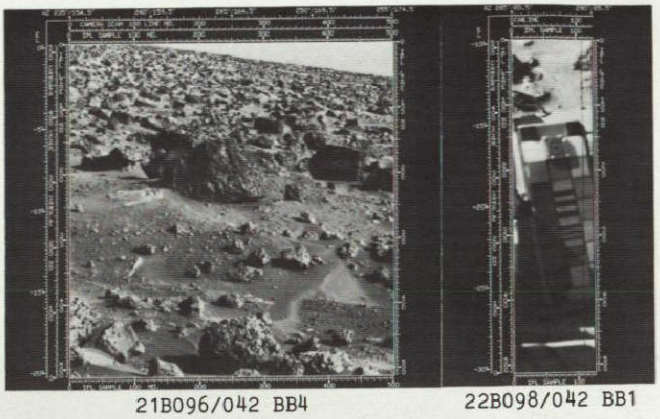
21B093/042 BB2



21B094/042 BB1

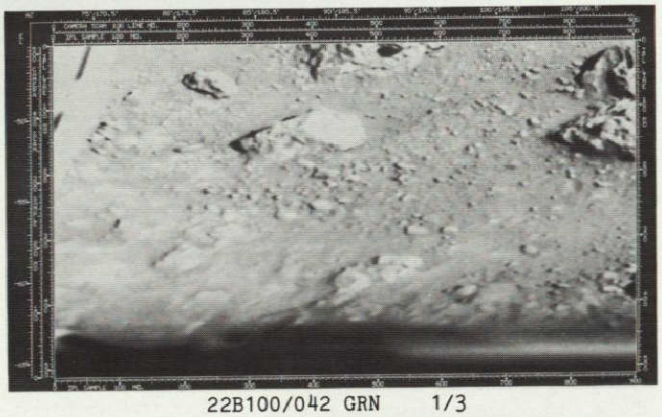
21B095/042 BB4 1/2

21B095/042 BB4 2/2



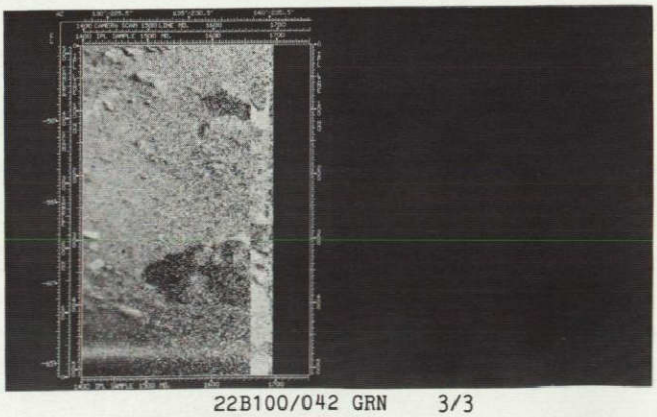
21B096/042 BB4 22B098/042 BB1

22B099/042 GRN

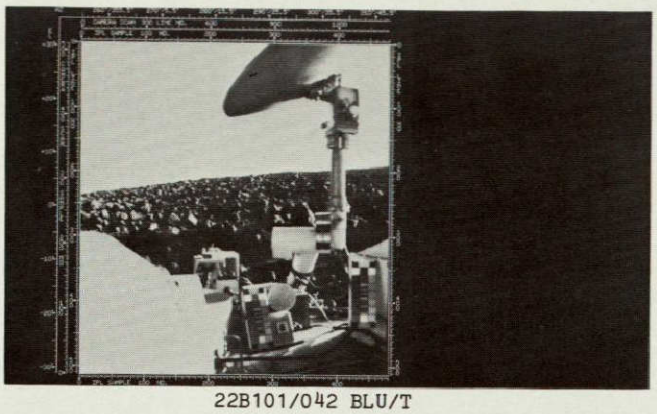


22B100/042 GRN 1/3

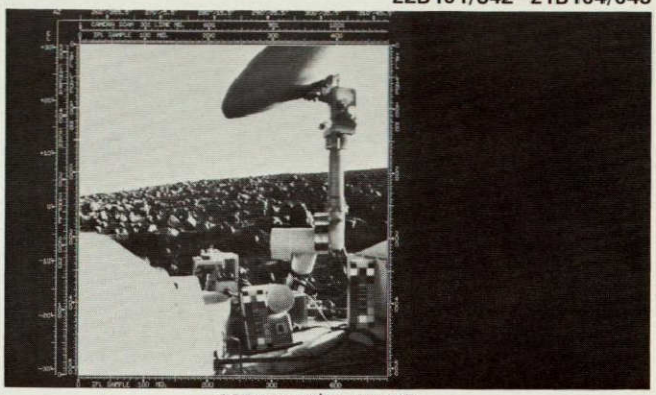
22B100/042 GRN 2/3



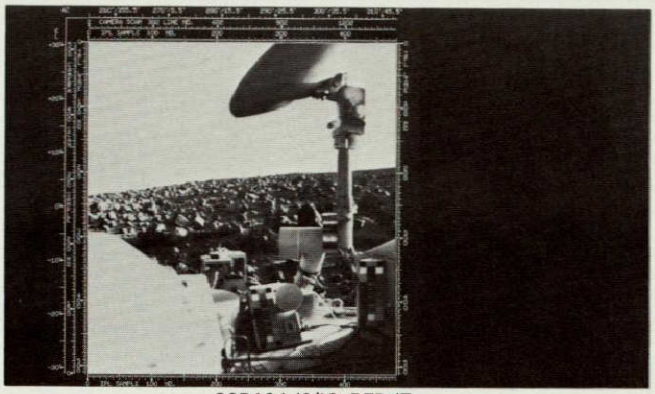
22B100/042 GRN 3/3



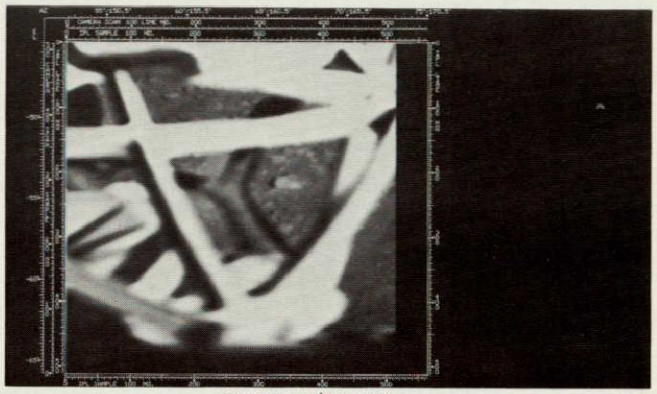
22B101/042 BLU/T



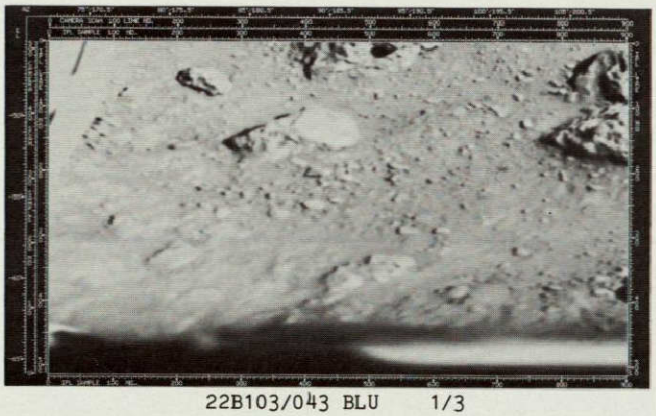
22B101/042 GRN/T



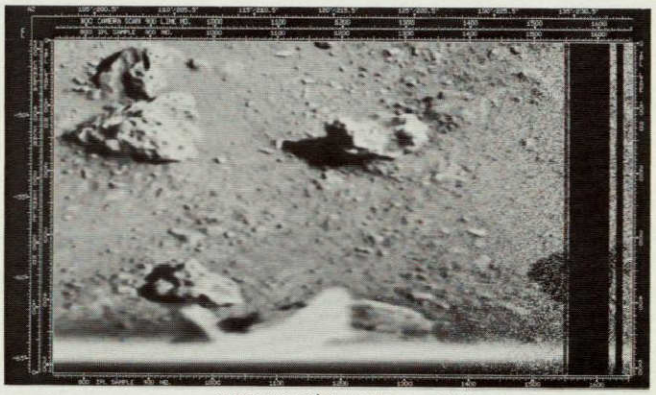
22B101/042 RED/T



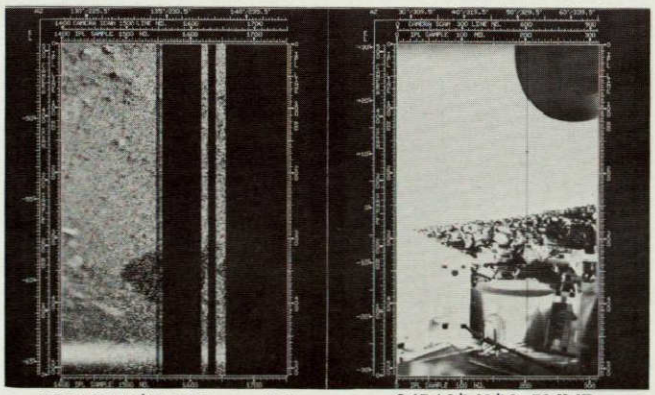
22B102/043 BLU



22B103/043 BLU 1/3

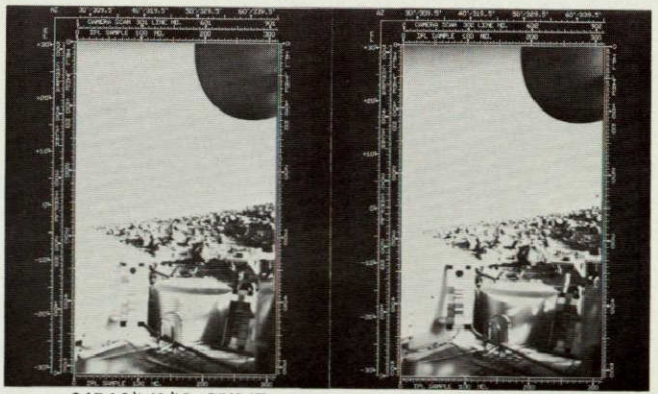


22B103/043 BLU 2/3



22B103/043 BLU 3/3

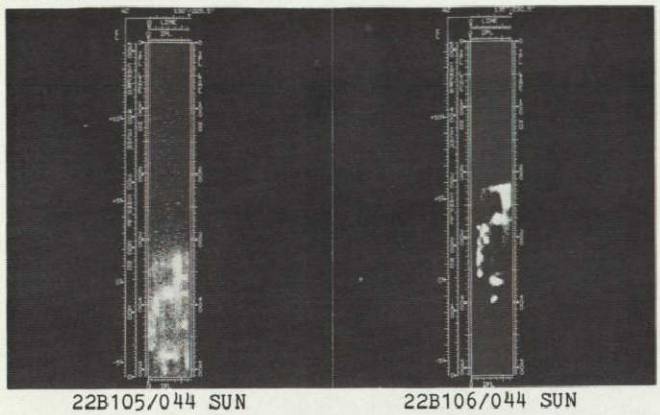
21B104/043 BLU/T



21B104/043 GRN/T

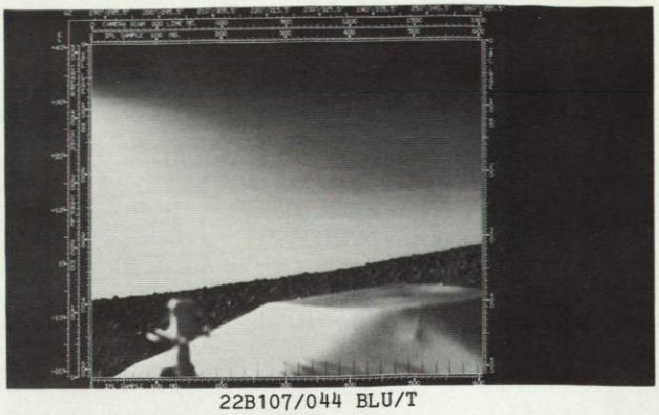
21B104/043 RED/T

VL-2



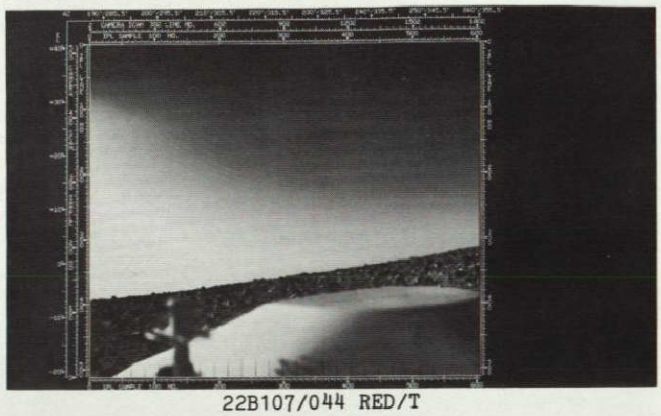
22B105/044 SUN

22B106/044 SUN



22B107/044 BLU/T

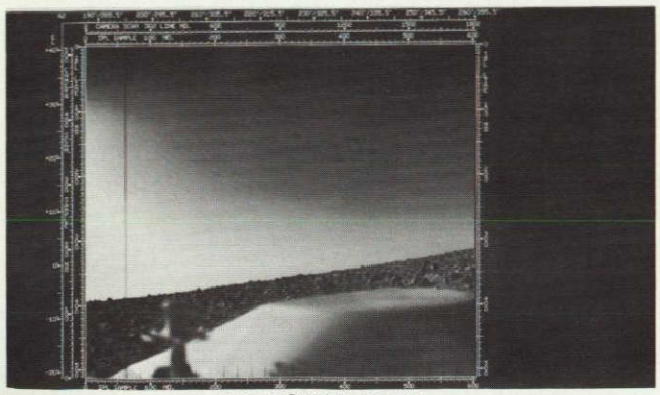
22B107/044 GRN/T



22B107/044 RED/T

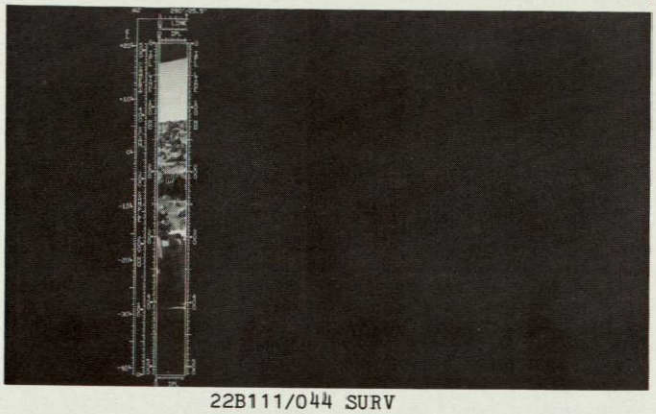
22B108/044 IR3/T

22B108/044 IR2/T

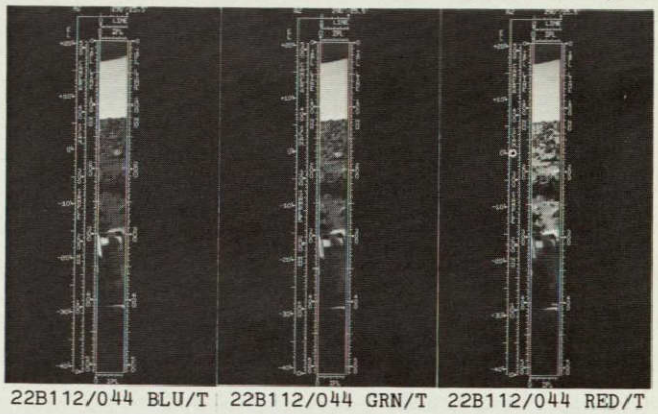


22B108/044 IR1/T

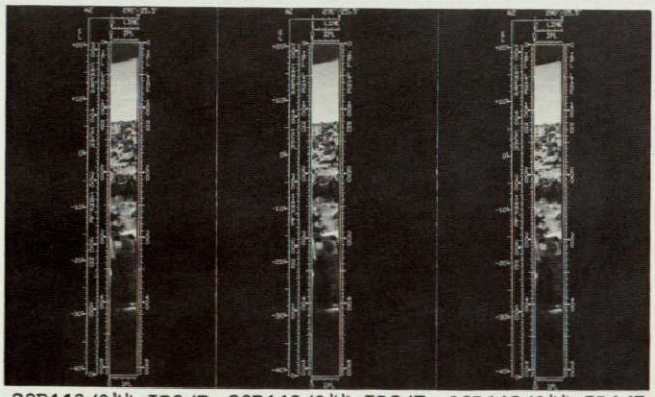
22B109/044 SURV



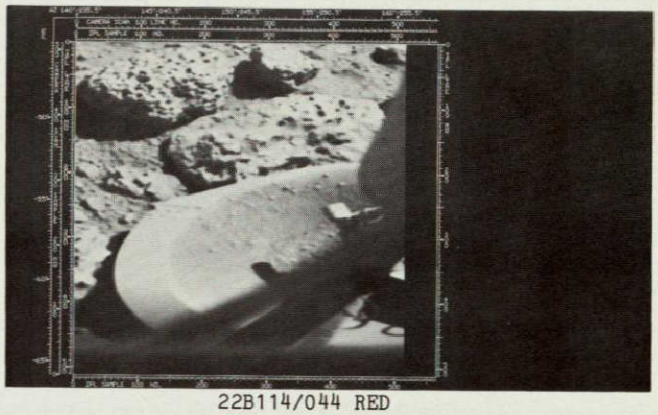
22B111/044 SURV



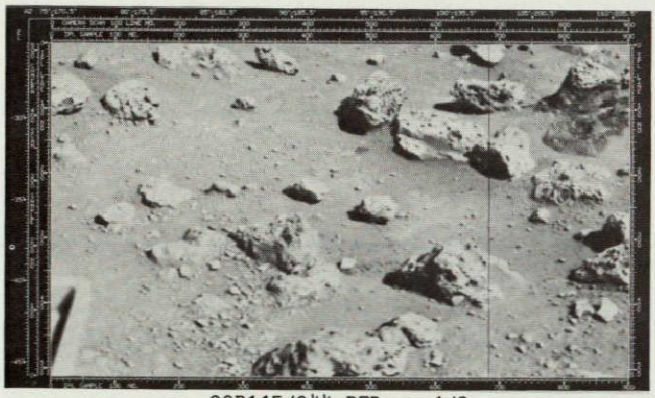
22B112/044 BLU/T 22B112/044 GRN/T 22B112/044 RED/T



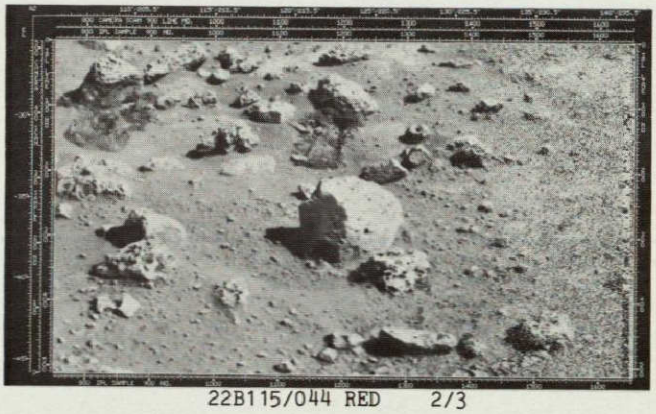
22B113/044 IR3/T 22B113/044 IR2/T 22B113/044 IR1/T



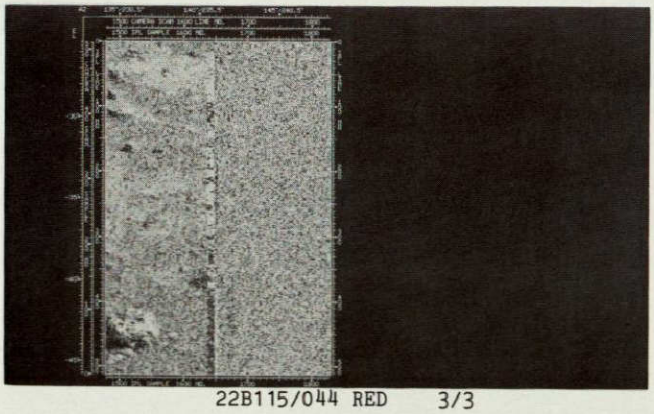
22B114/044 RED



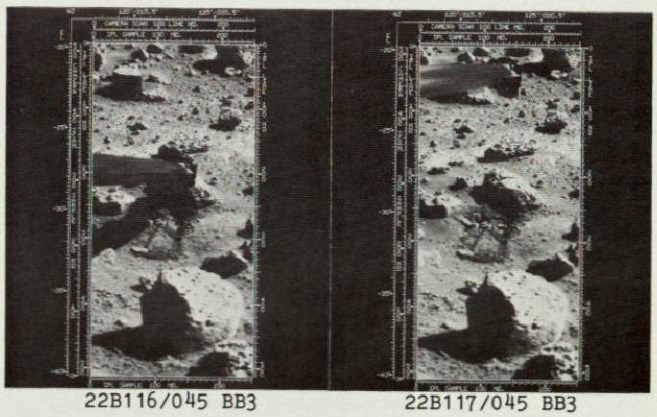
22B115/044 RED 1/3



22B115/044 RED 2/3

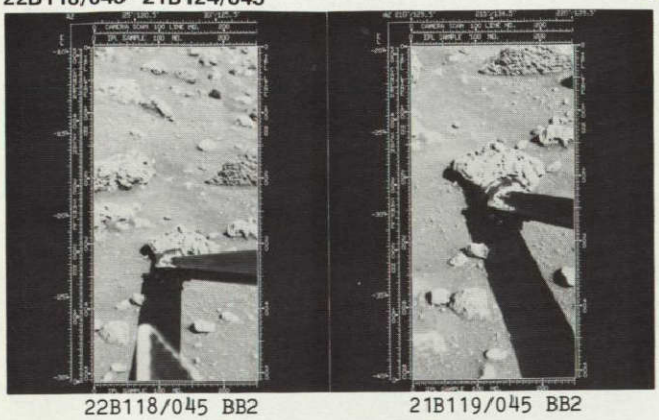


22B115/044 RED 3/3

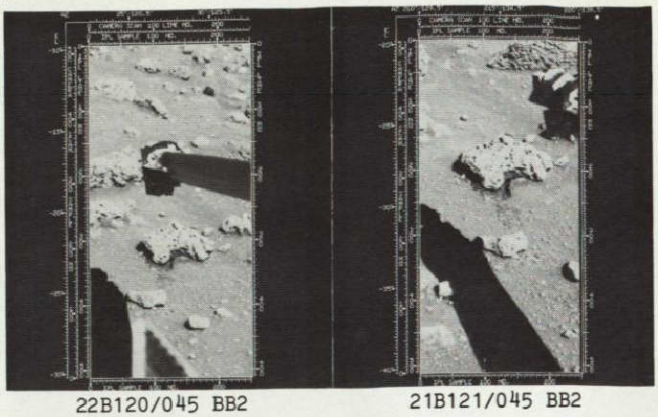


22B116/045 BB3 22B117/045 BB3

VL-2

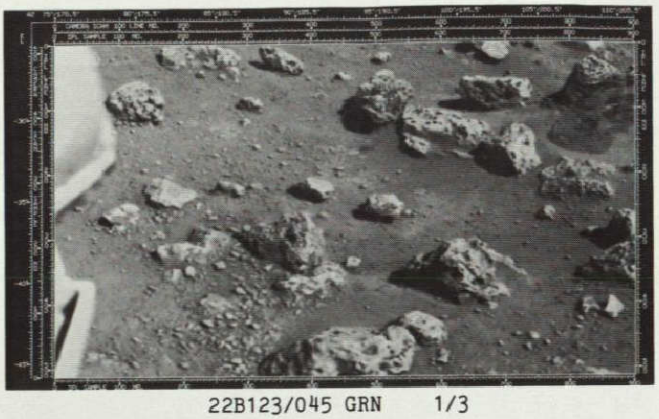


22B118/045 BB2 21B119/045 BB2

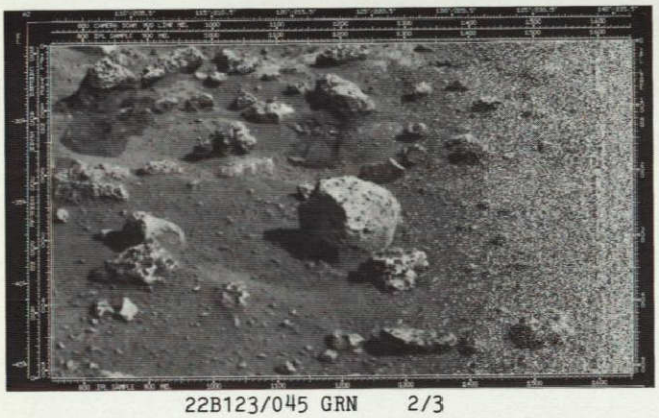


22B120/045 BB2 21B121/045 BB2

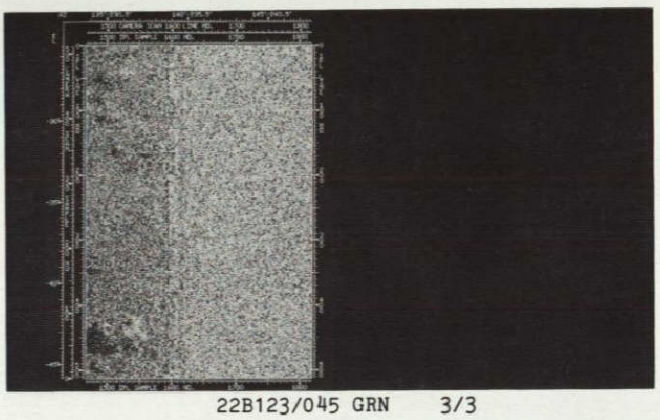
22B122/045 GRN



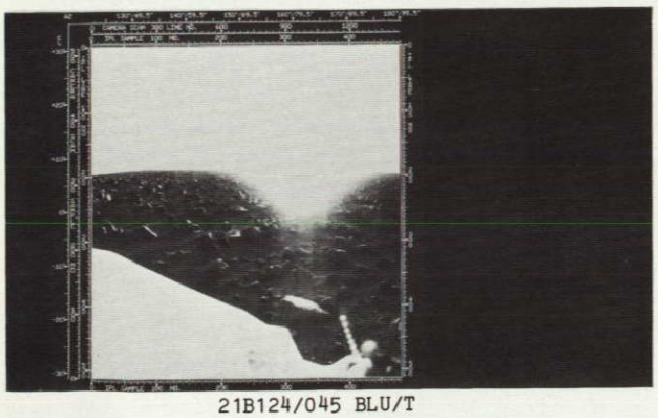
22B123/045 GRN 1/3



22B123/045 GRN 2/3

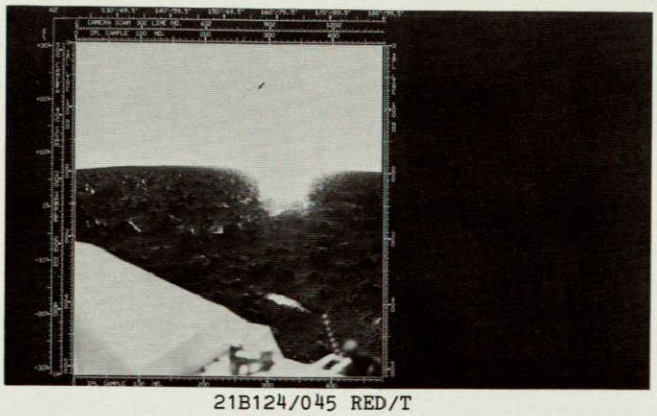


22B123/045 GRN 3/3

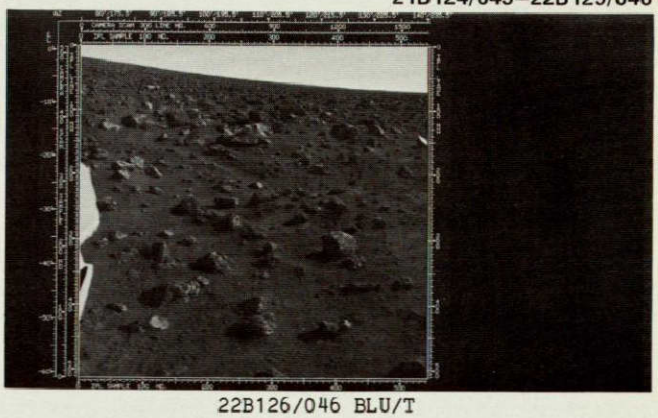


21B124/045 BLU/T

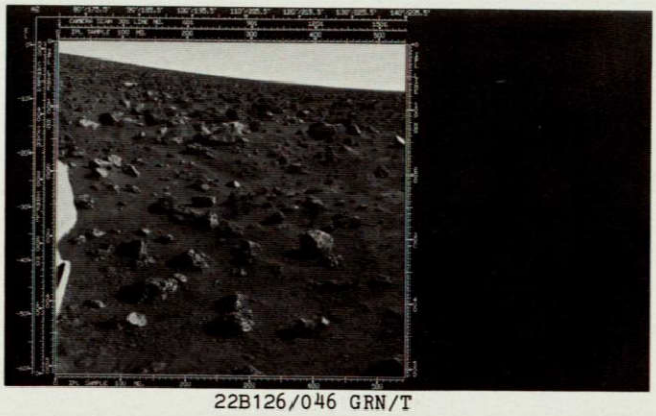
21B124/045 GRN/T



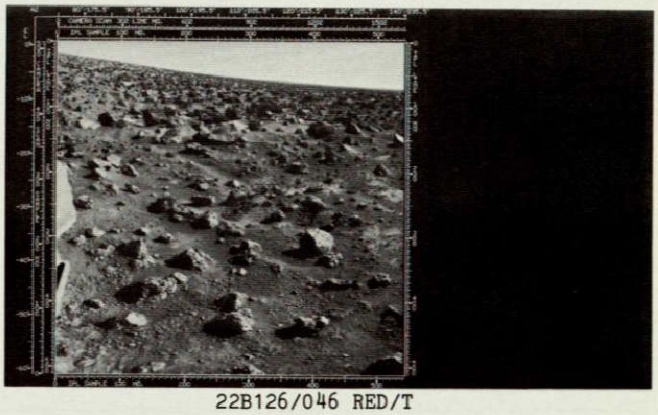
21B124/045 RED/T



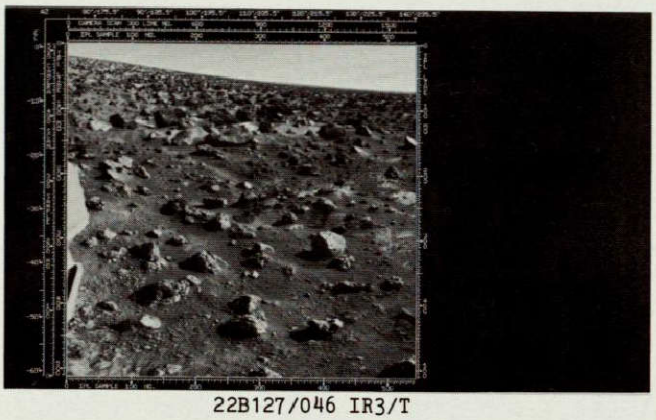
22B126/046 BLU/T



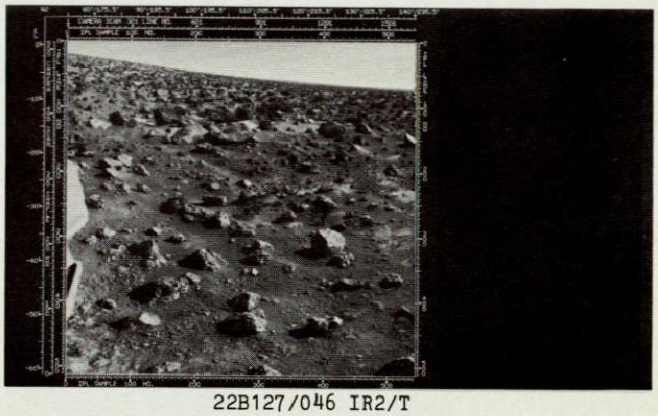
22B126/046 GRN/T



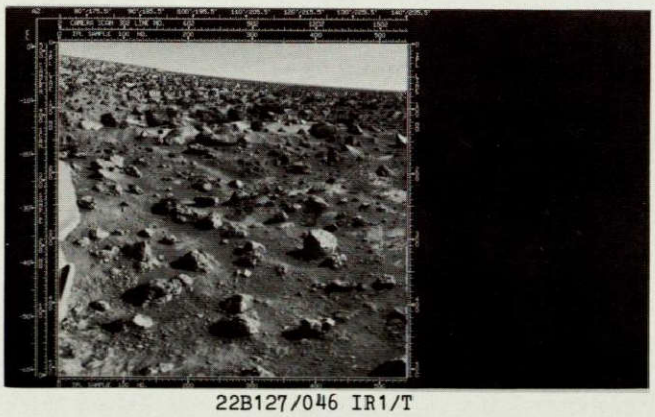
22B126/046 RED/T



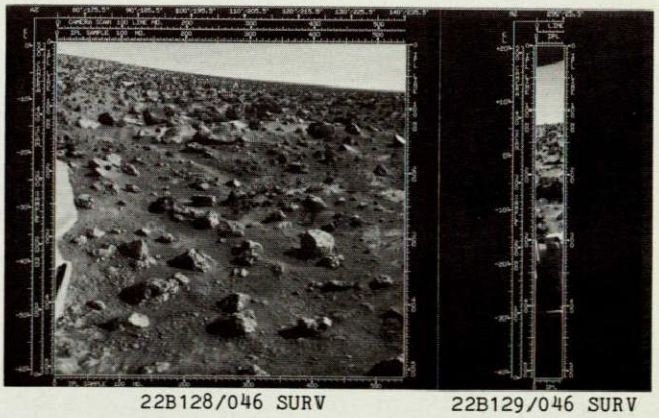
22B127/046 IR3/T



22B127/046 IR2/T

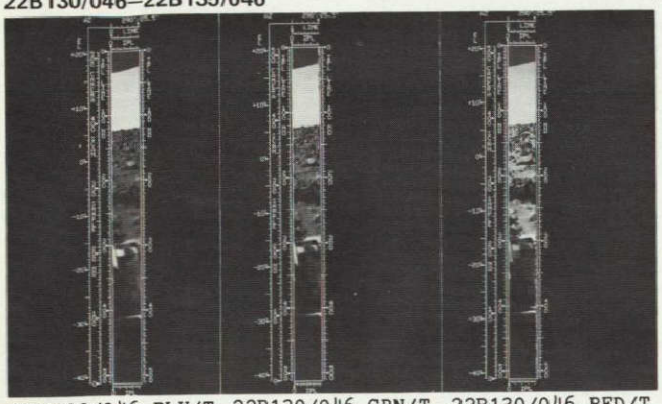


22B127/046 IR1/T

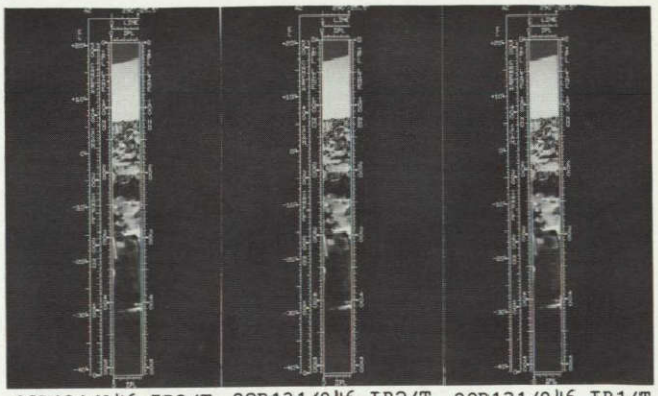


22B128/046 SURV

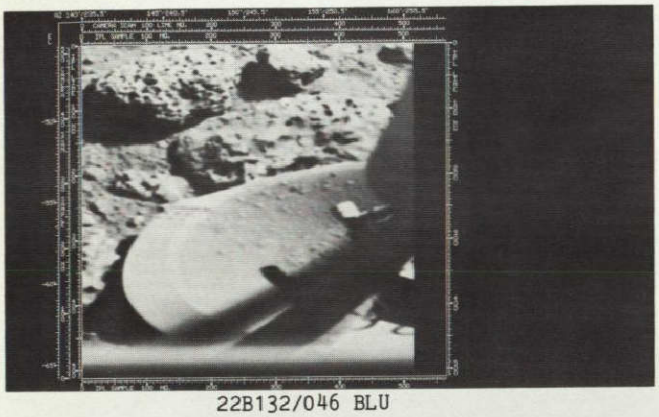
22B129/046 SURV



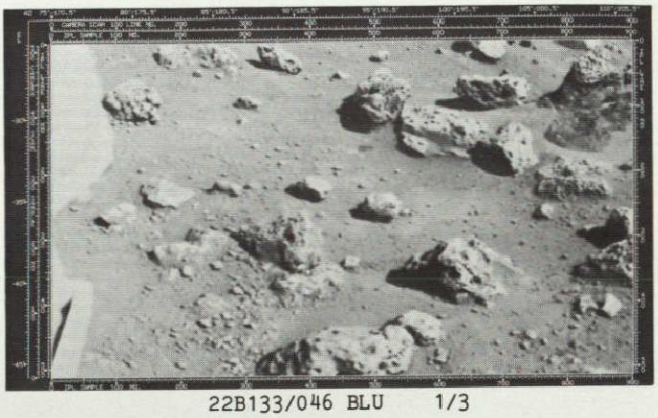
22B130/046 BLU/T 22B130/046 GRN/T 22B130/046 RED/T



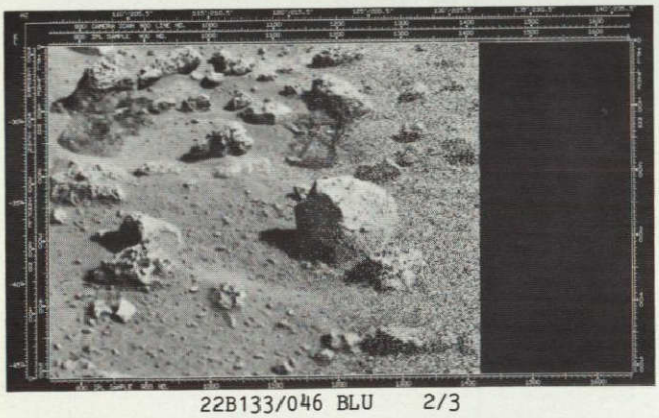
22B131/046 IR3/T 22B131/046 IR2/T 22B131/046 IR1/T



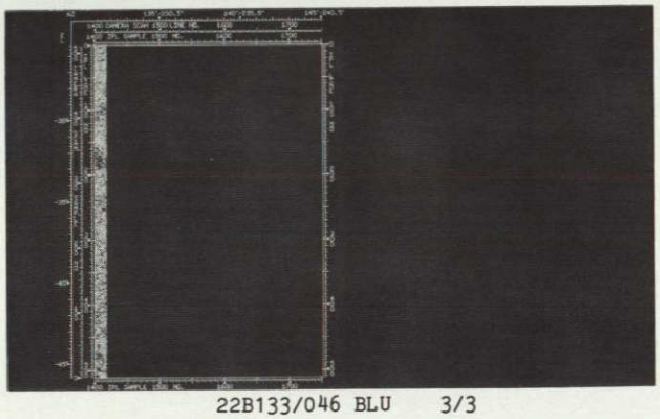
22B132/046 BLU



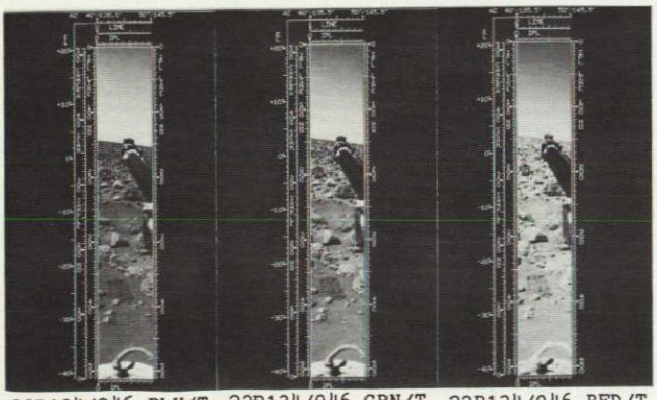
22B133/046 BLU 1/3



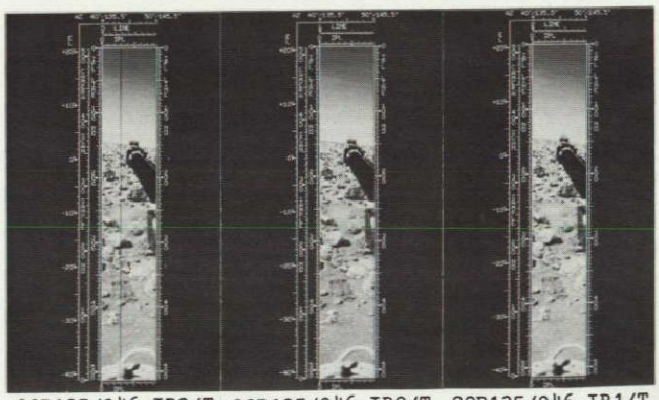
22B133/046 BLU 2/3



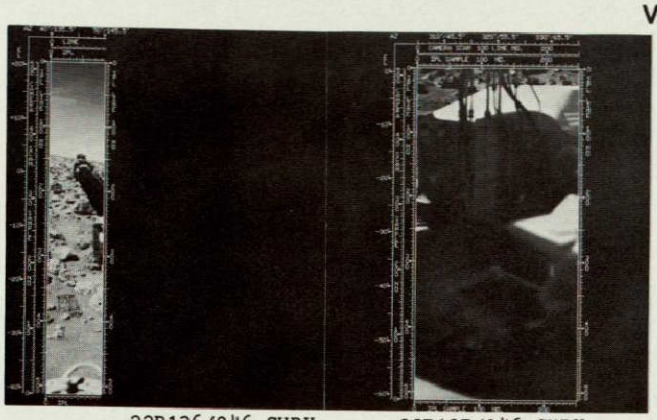
22B133/046 BLU 3/3



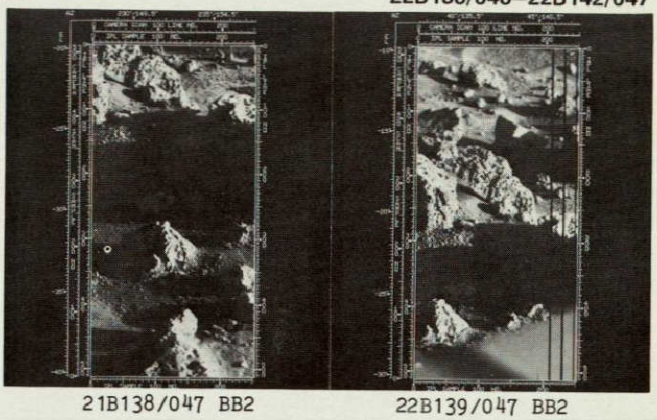
22B134/046 BLU/T 22B134/046 GRN/T 22B134/046 RED/T



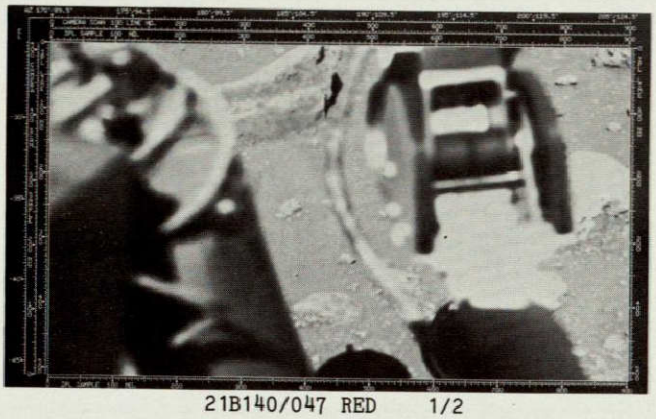
22B135/046 IR3/T 22B135/046 IR2/T 22B135/046 IR1/T



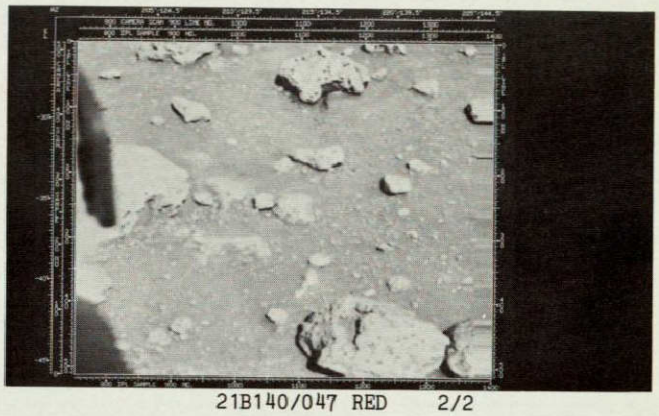
22B136/046 SURV 22B137/046 SURV



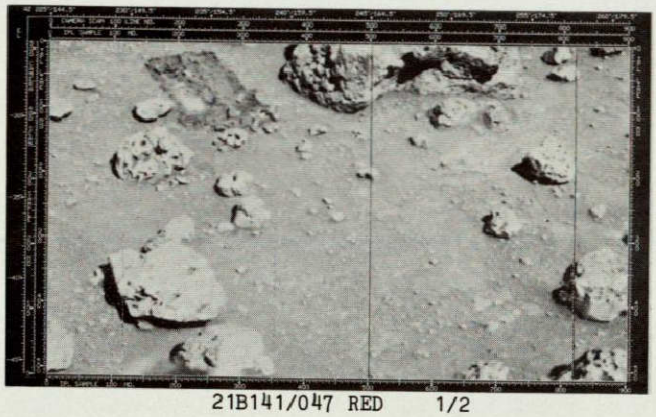
21B138/047 BB2 22B139/047 BB2



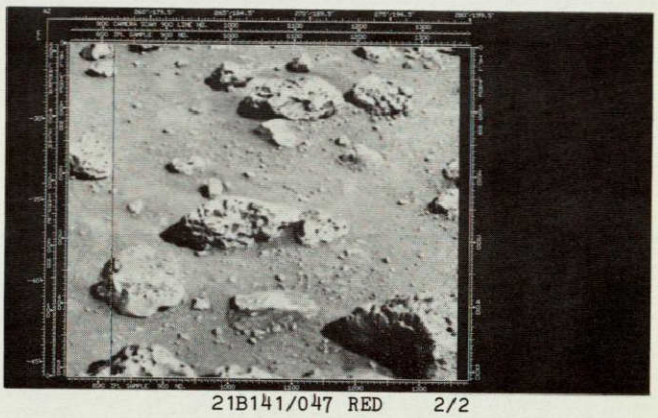
21B140/047 RED 1/2



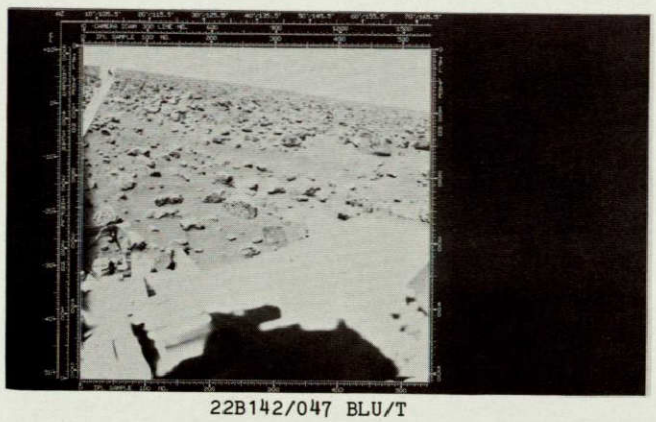
21B140/047 RED 2/2



21B141/047 RED 1/2



21B141/047 RED 2/2



22B142/047 BLU/T

22B142/047 GRN/T

22B142/047 RED/T

22B143/047 IR3/T

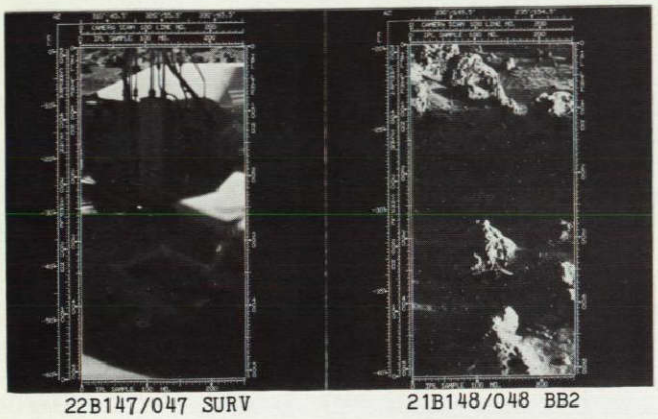
22B143/047 IR2/T

22B143/047 IR1/T

22B144/047 SURV

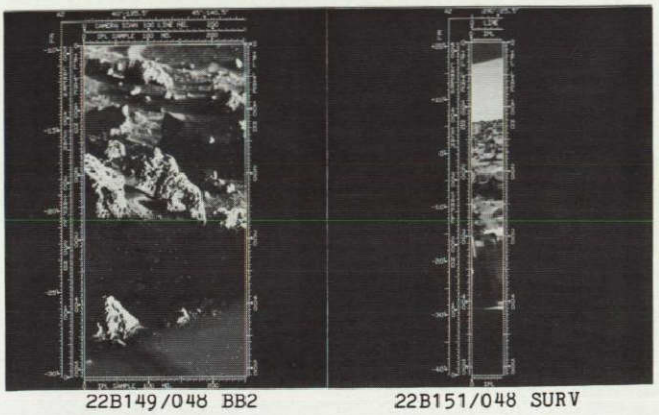
22B145/047 CAL

22B146/047 BB2



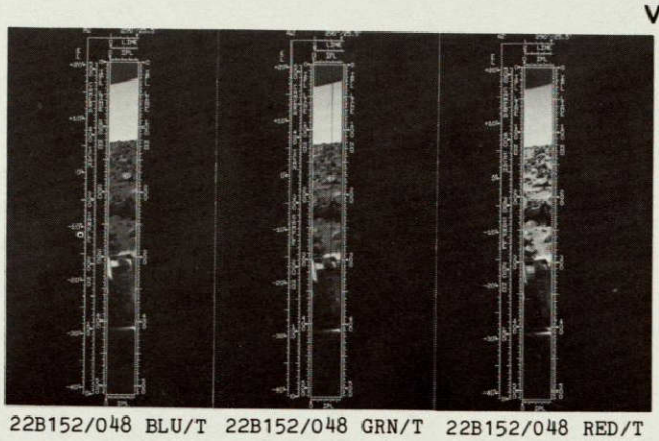
22B147/047 SURV

21B148/048 BB2

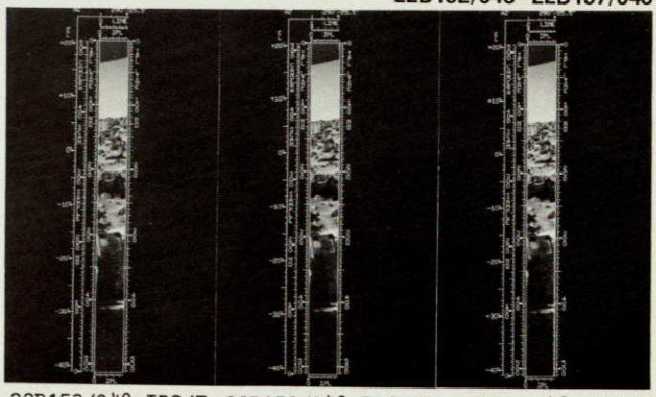


22B149/048 BB2

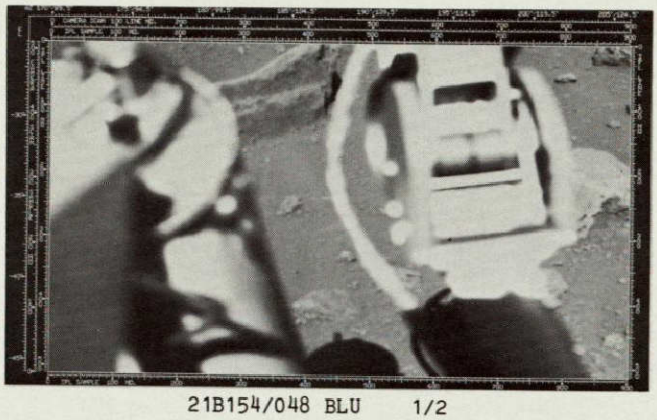
22B151/048 SURV



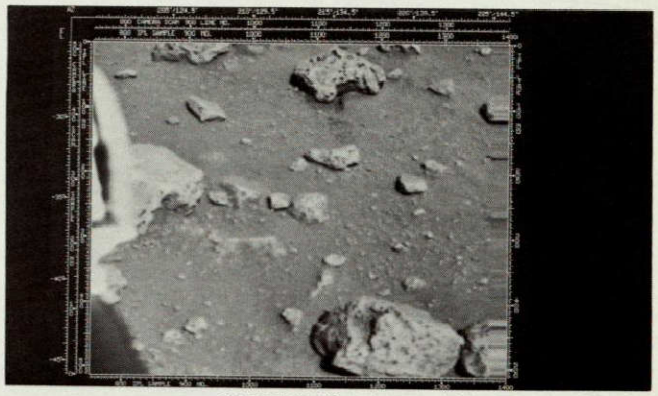
22B152/048 BLU/T 22B152/048 GRN/T 22B152/048 RED/T



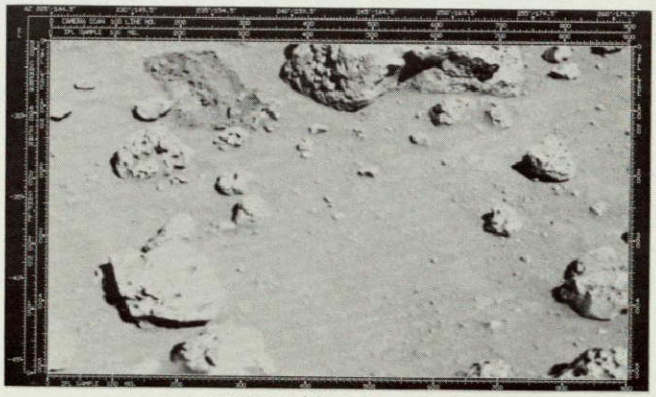
22B153/048 IR3/T 22B153/048 IR2/T 22B153/048 IR1/T



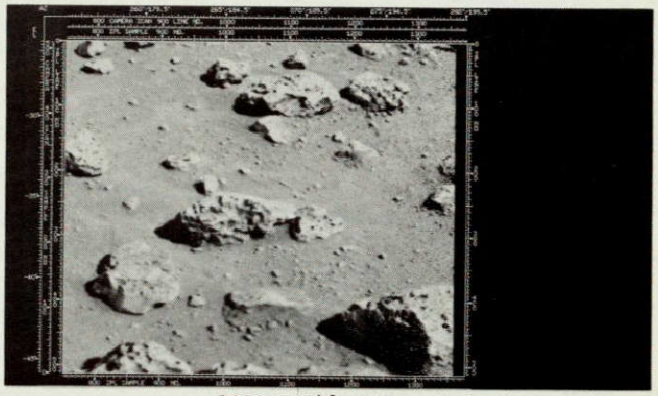
21B154/048 BLU 1/2



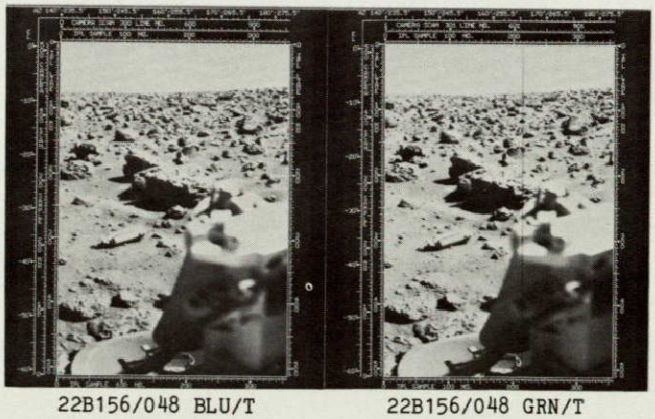
21B154/048 BLU 2/2



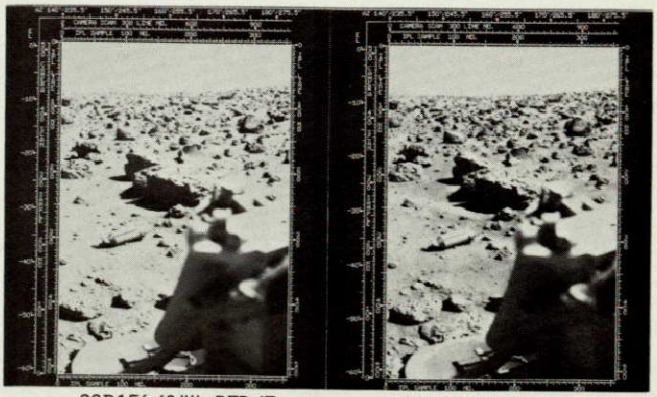
21B155/048 BLU 1/2



21B155/048 BLU 2/2

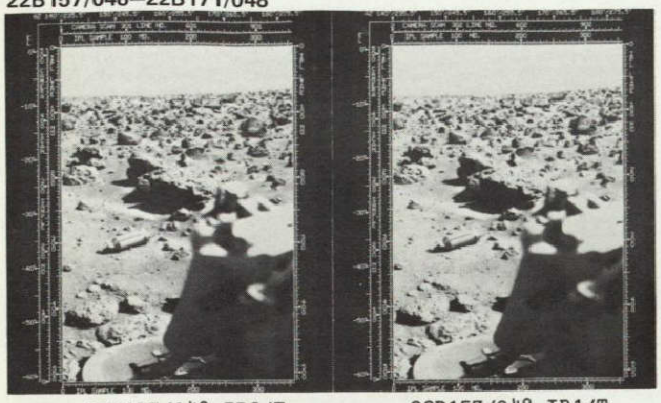


22B156/048 BLU/T 22B156/048 GRN/T



22B156/048 RED/T 22B157/048 IR3/T

VL-2

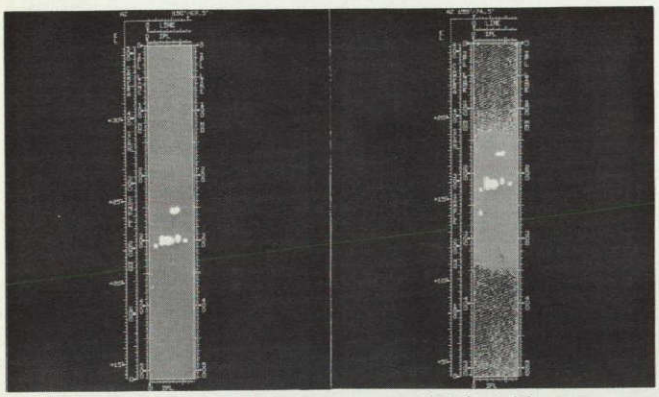


22B157/048 IR2/T

22B157/048 IR1/T

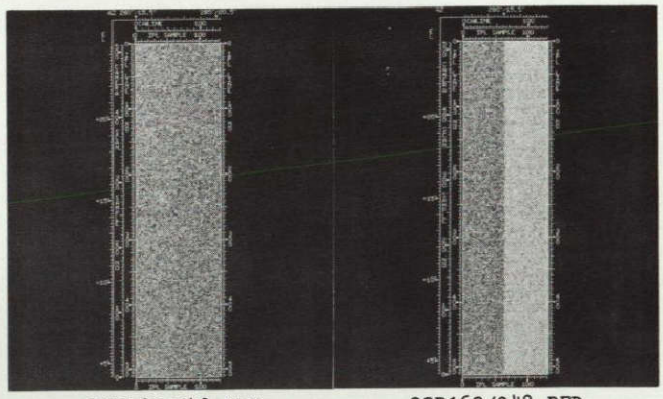
22B158/048 SURV

22B159/048 CAL



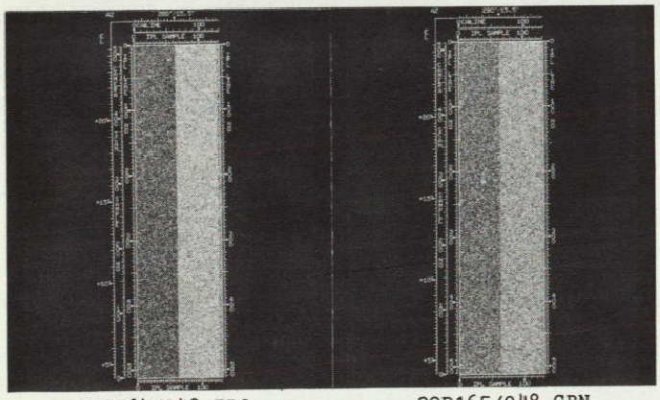
21B160/048 SUN

21B161/048 SUN



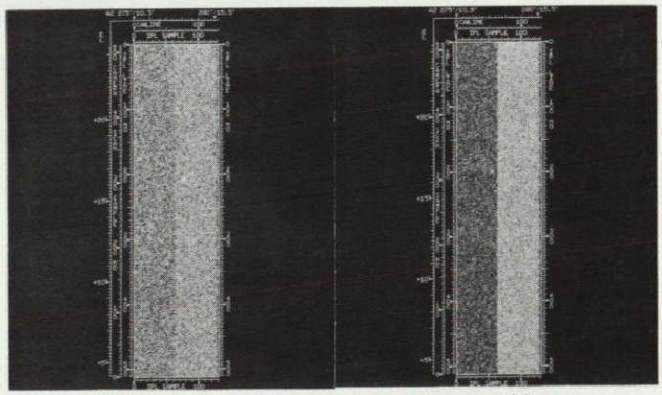
22B162/048 BLU

22B163/048 RED



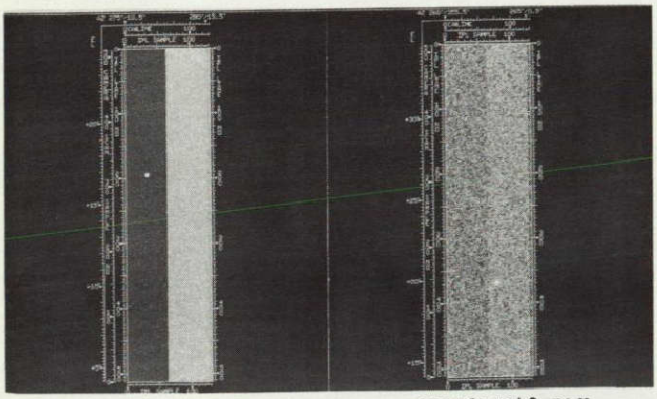
22B164/048 IR2

22B165/048 GRN



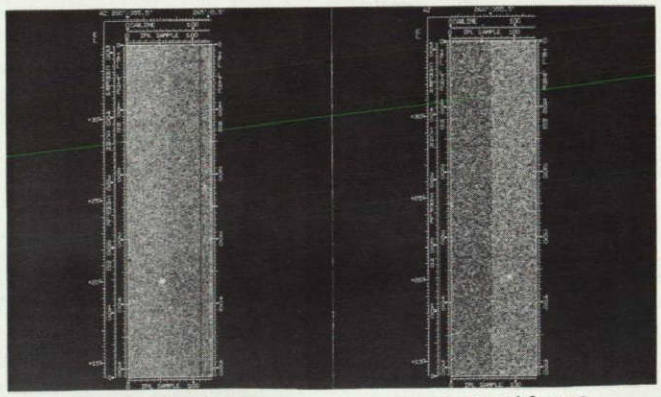
22B166/048 IR1

22B167/048 IR3



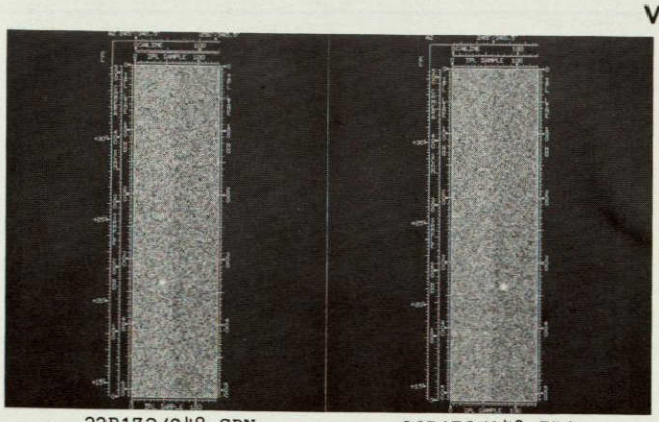
22B168/048 SURV

22B169/048 BLU



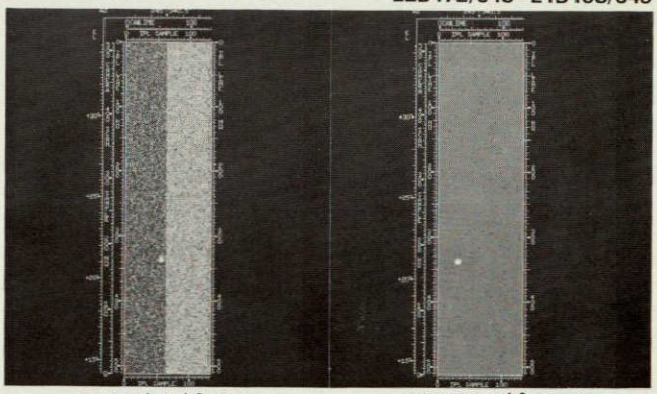
22B170/048 RED

22B171/048 IR2



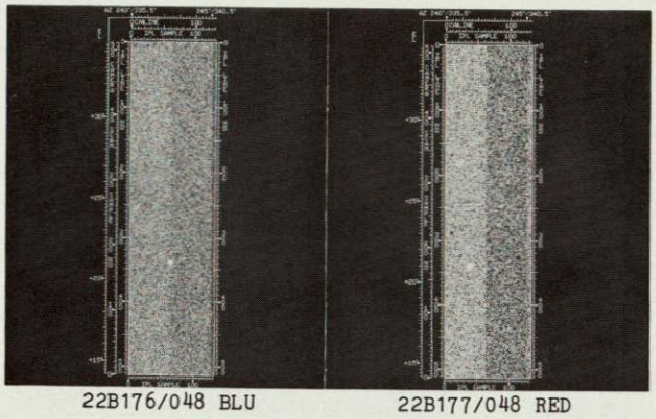
22B172/048 GRN

22B173/048 IR1



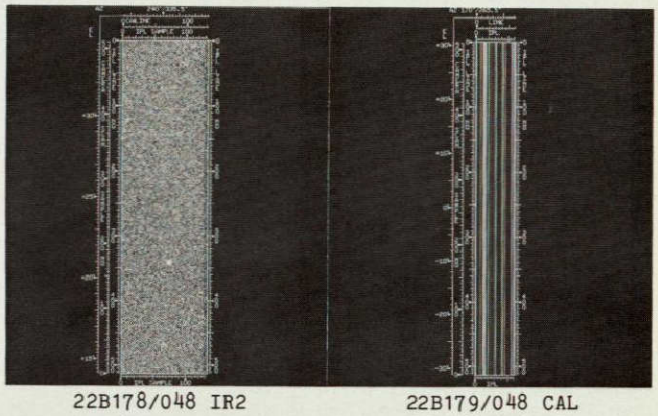
22B174/048 IR3

22B175/048 SURV



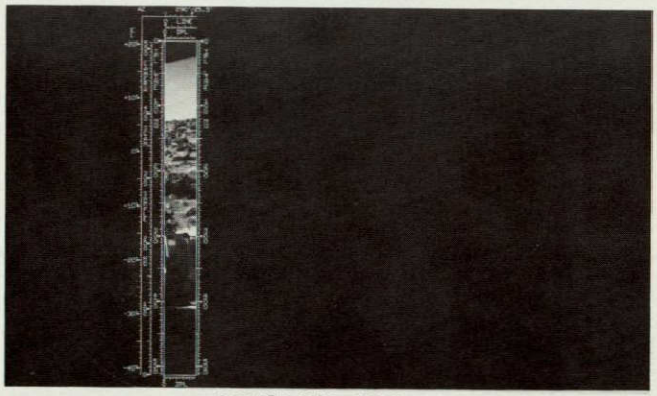
22B176/048 BLU

22B177/048 RED

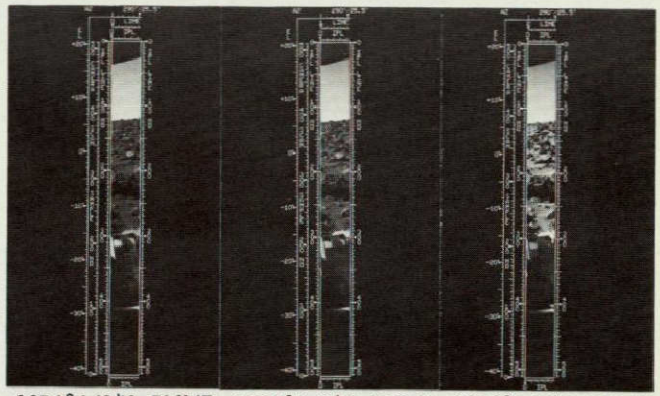


22B178/048 IR2

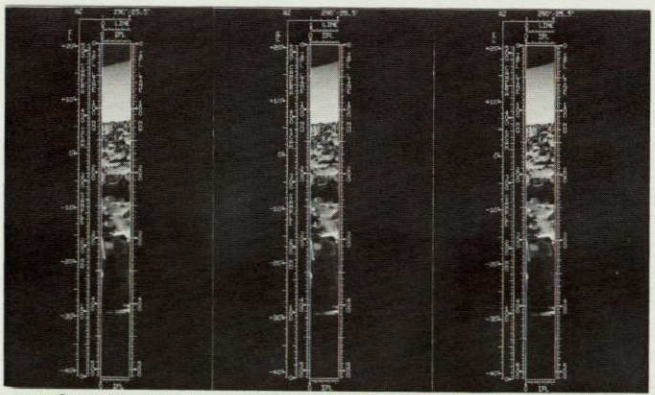
22B179/048 CAL



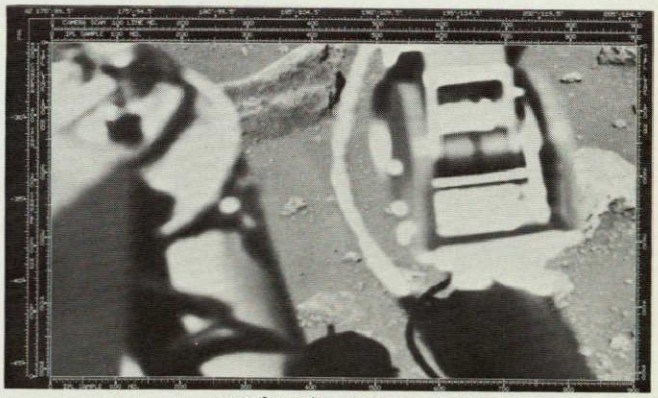
22B180/049 SURV



22B181/049 BLU/T 22B181/049 GRN/T 22B181/049 RED/T

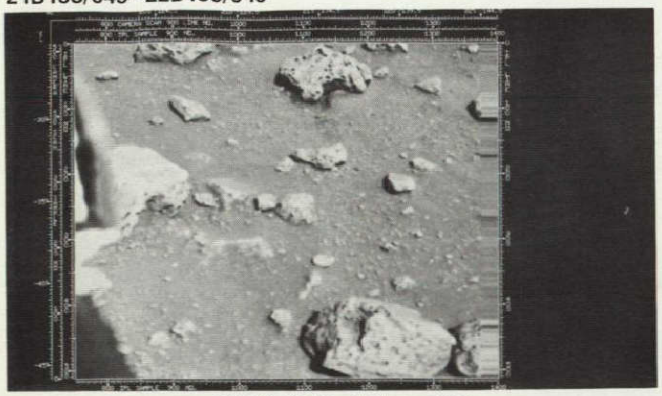


22B182/049 IR3/T 22B182/049 IR2/T 22B182/049 IR1/T

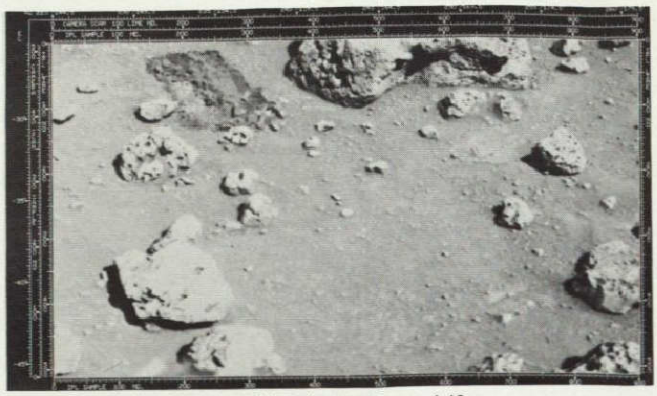


21B183/049 GRN 1/2

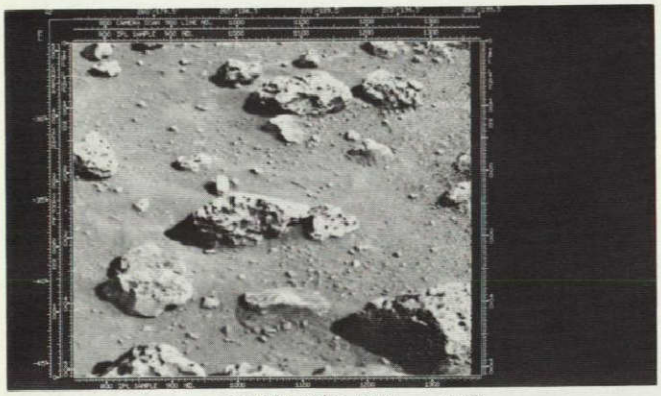
VL-2



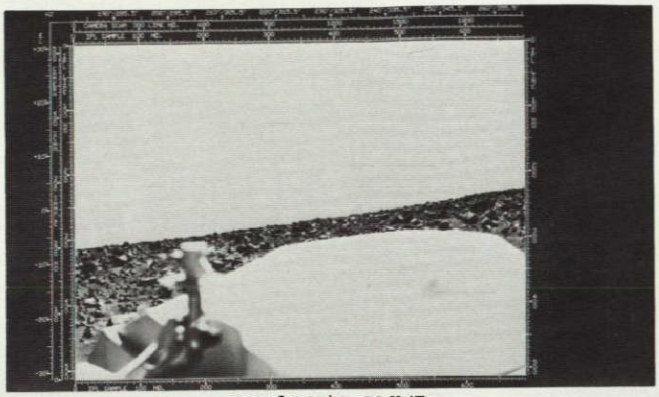
21B183/049 GRN 2/2



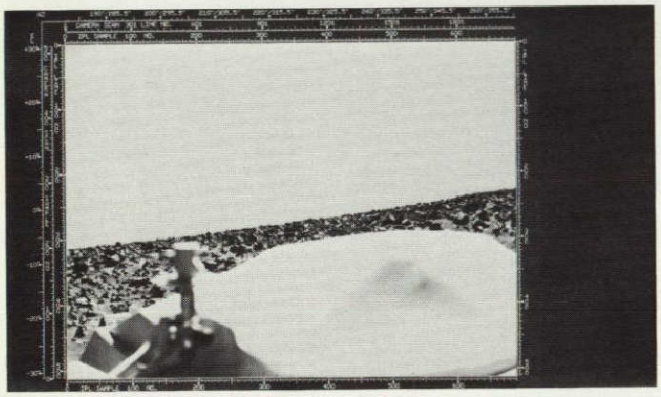
21B184/049 GRN 1/2



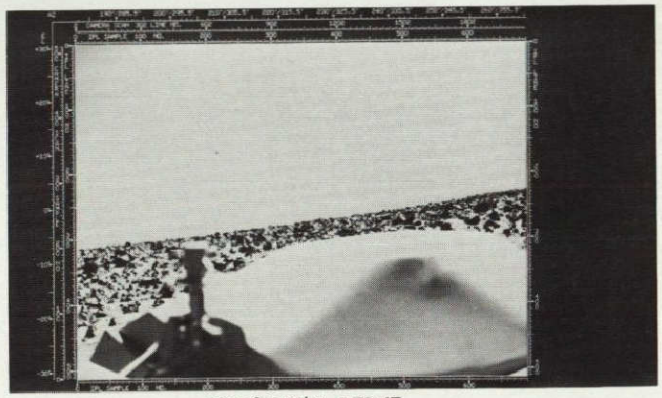
21B184/049 GRN 2/2



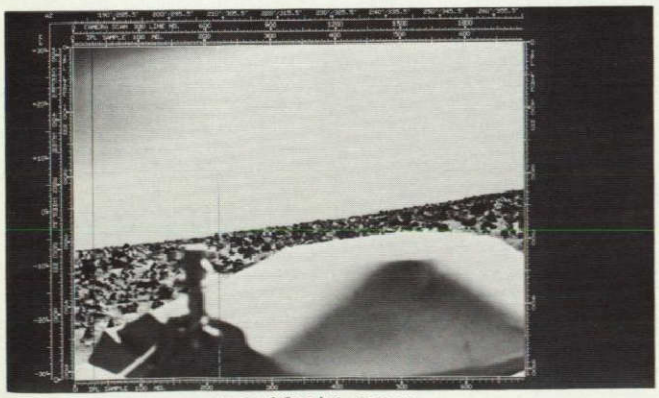
22B185/049 BLU/T



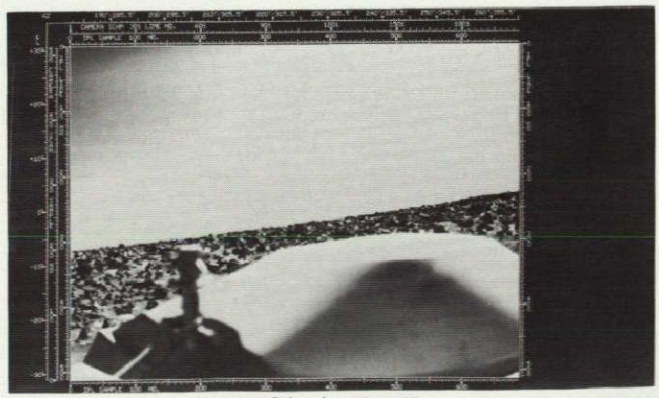
22B185/049 GRN/T



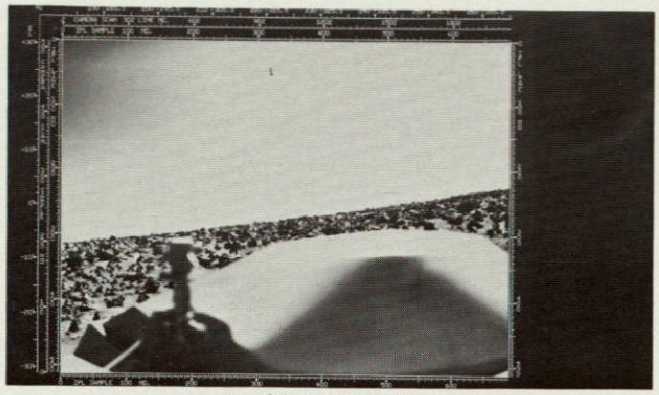
22B185/049 RED/T



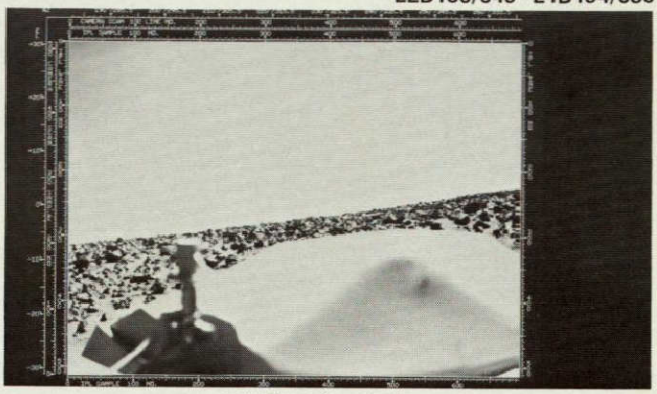
22B186/049 IR3/T



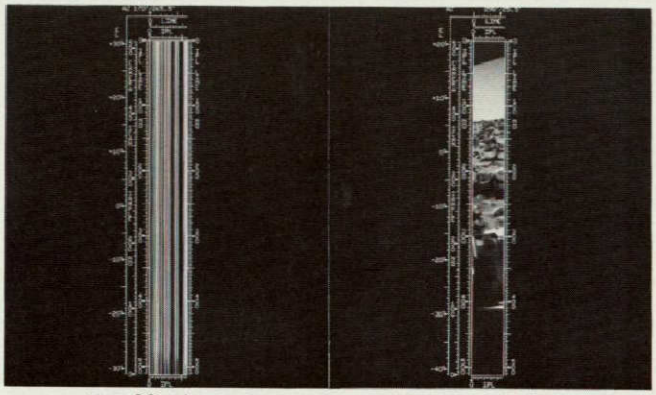
22B186/049 IR2/T



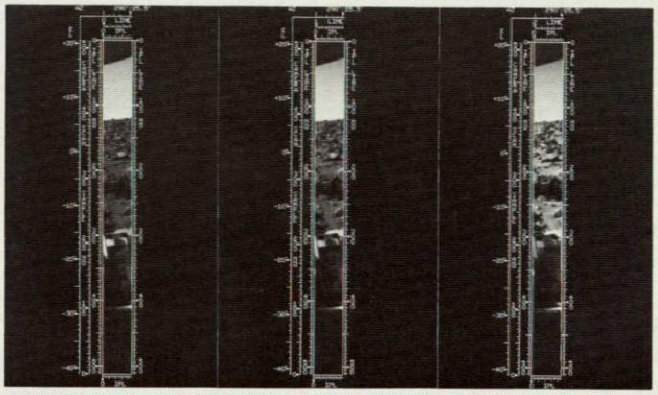
22B186/049 IR1/T



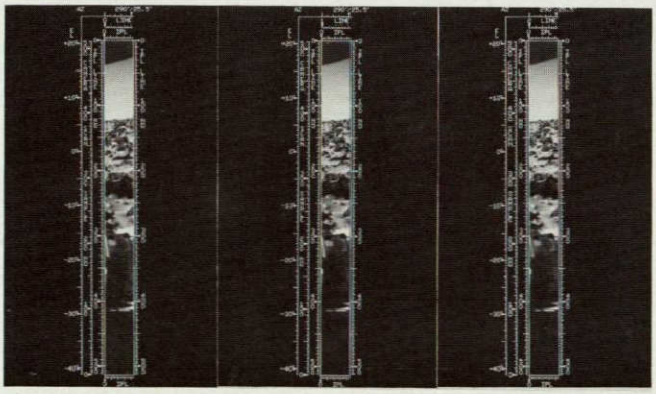
22B187/049 SURV



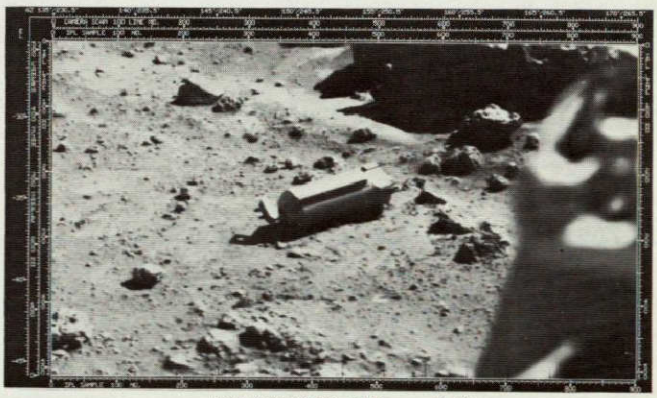
22B188/049 CAL 22B190/050 SURV



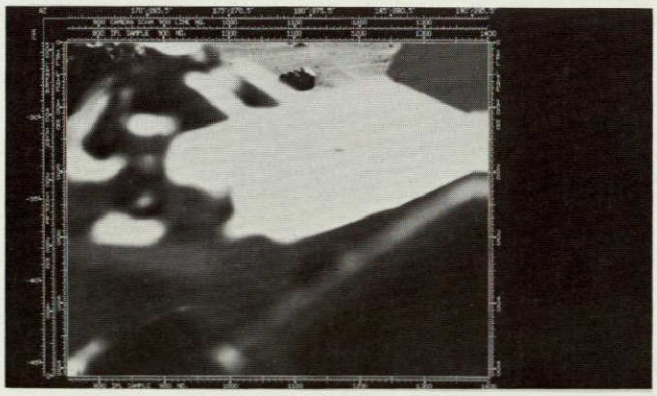
22B191/050 BLU/T 22B191/050 GRN/T 22B191/050 RED/T



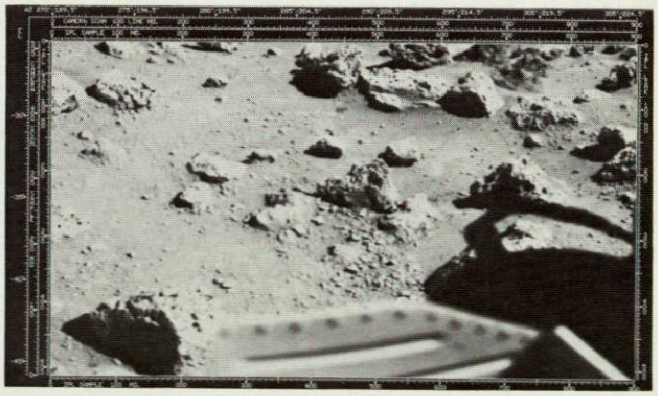
22B192/050 IR3/T 22B192/050 IR2/T 22B192/050 IR1/T



22B193/050 RED 1/2

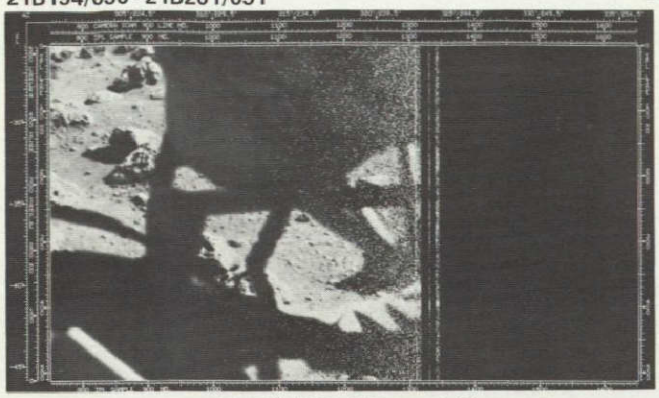


22B193/050 RED 2/2

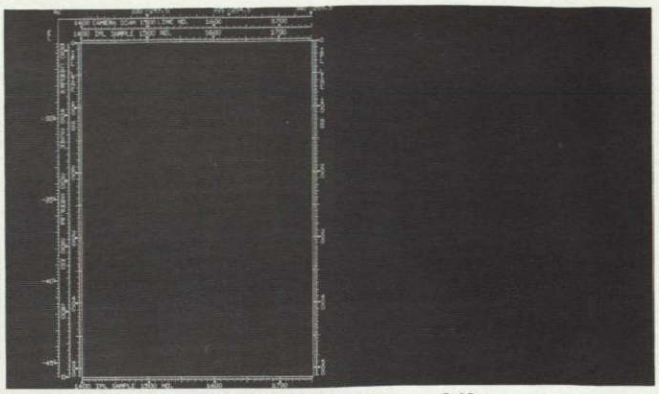


21B194/050 RED 1/3

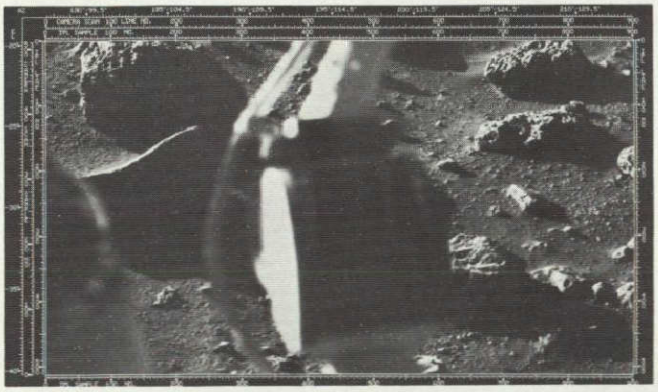
VL-2



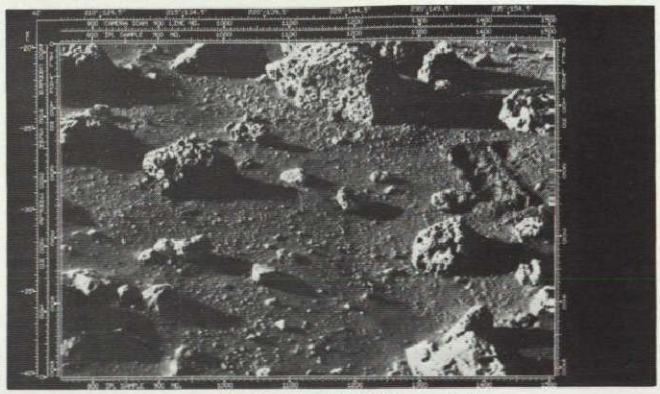
21B194/050 RED 2/3



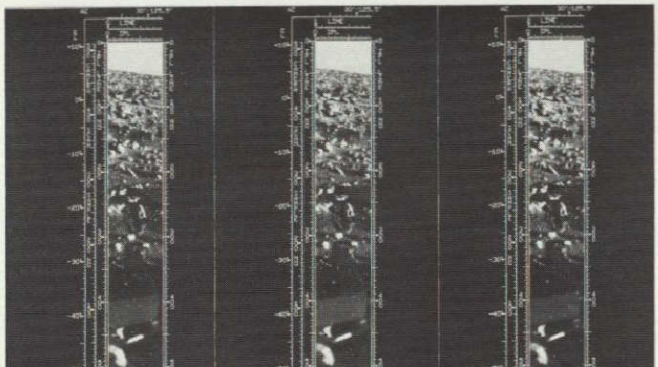
21B194/050 RED 3/3



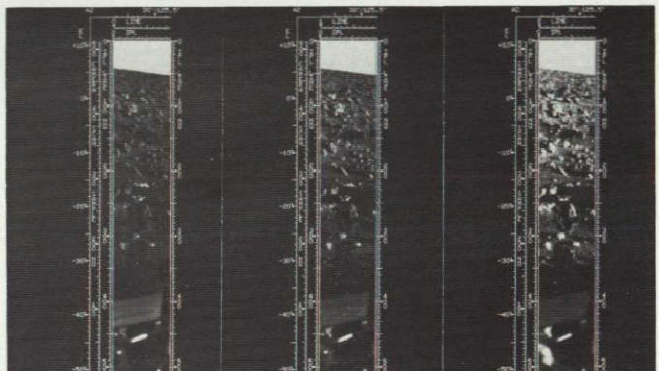
21B195/050 BB2 1/2



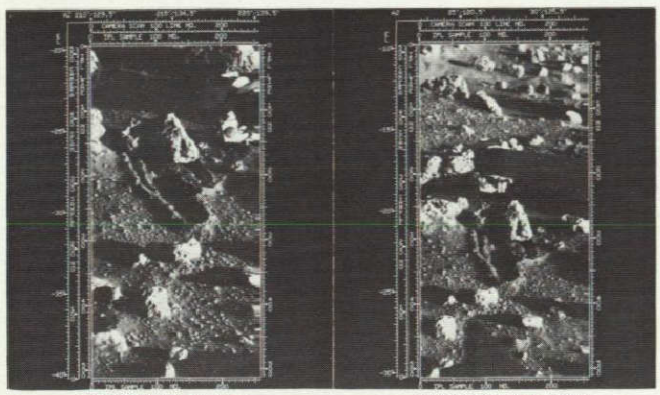
21B195/050 BB2 2/2



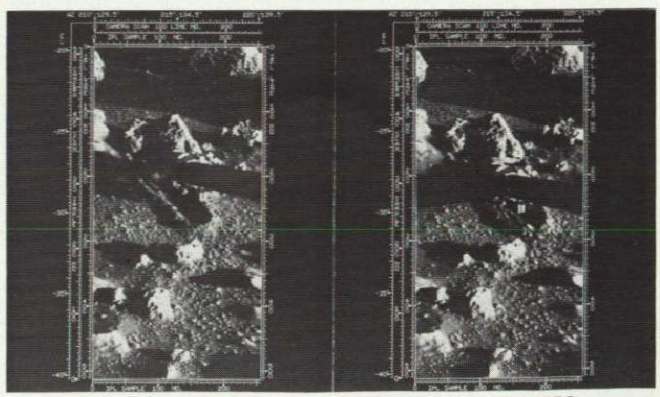
22B196/051 IR3/T 22B196/051 IR2/T 22B196/051 IR1/T



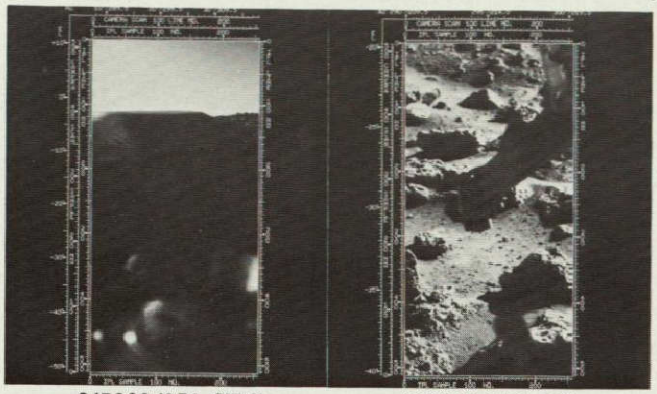
22B197/051 BLU/T 22B197/051 GRN/T 22B197/051 RED/T



21B198/051 BB2 22B199/051 BB2

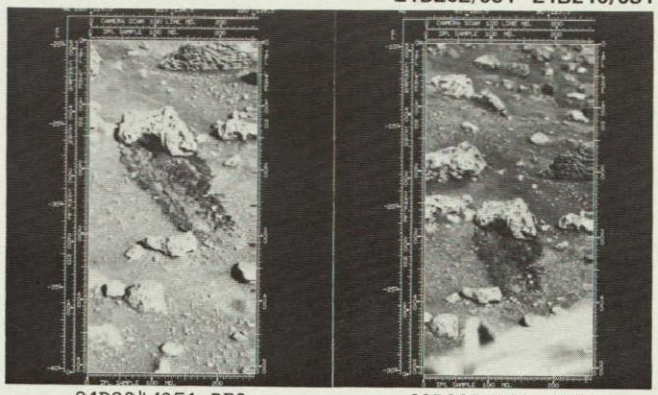


21B200/051 BB2 21B201/051 BB2



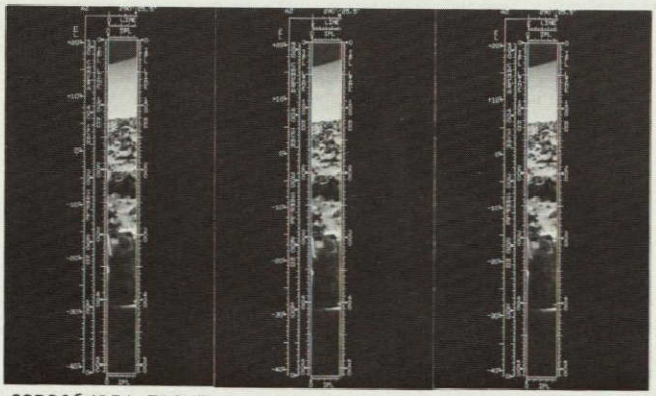
21B202/051 SURV

21B203/051 BB2



21B204/051 BB2

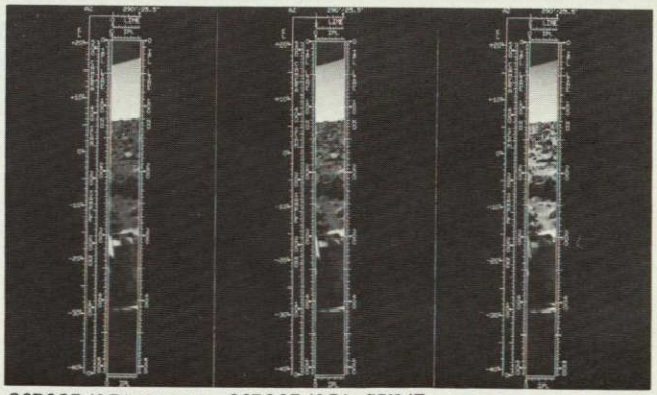
22B205/051 BB2



22B206/051 IR3/T

22B206/051 IR2/T

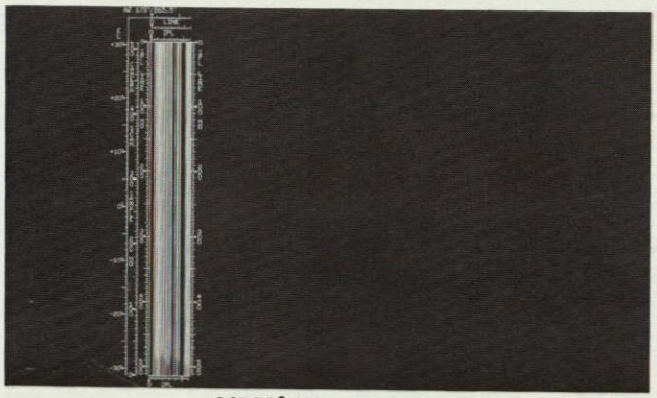
22B206/051 IR1/T



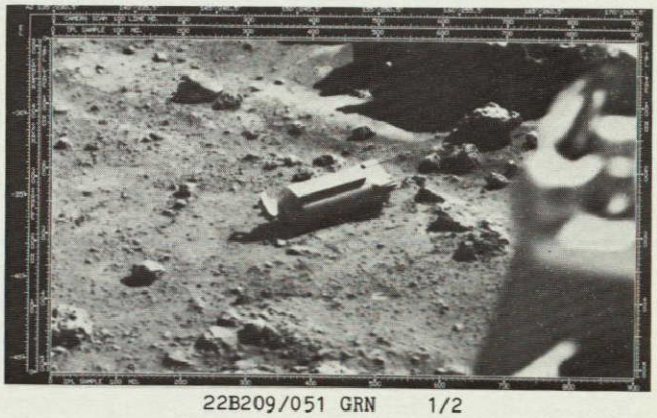
22B207/051 BLU/T

22B207/051 GRN/T

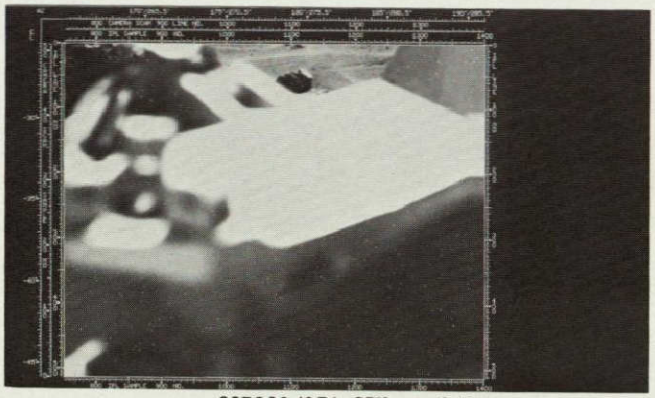
22B207/051 RED/T



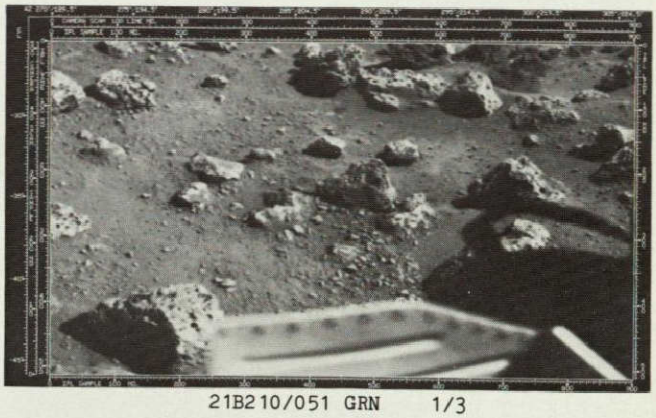
22B208/051 CAL



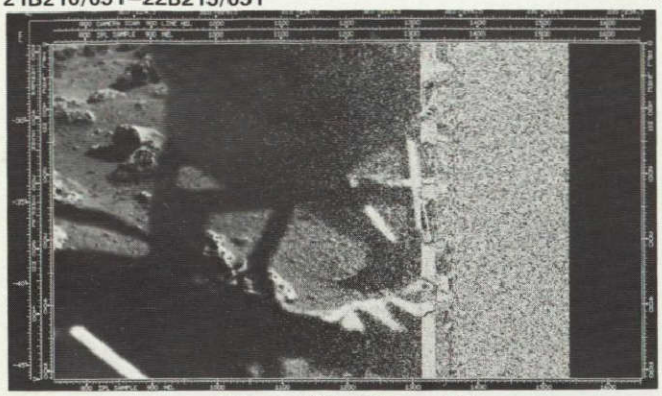
22B209/051 GRN 1/2



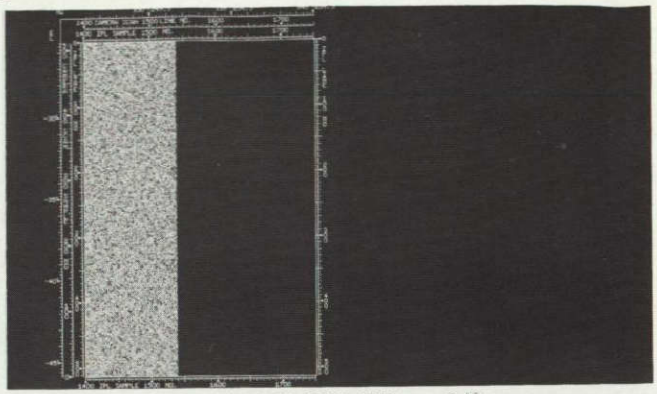
22B209/051 GRN 2/2



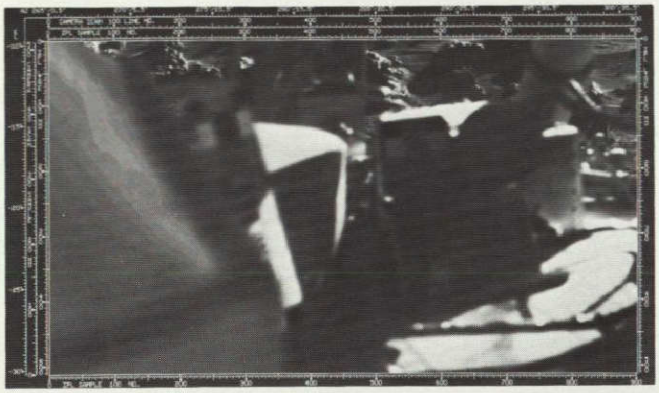
21B210/051 GRN 1/3



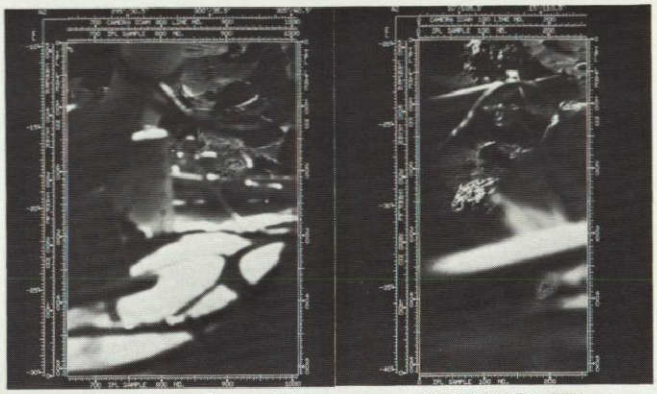
21B210/051 GRN 2/3



21B210/051 GRN 3/3



22B211/051 BB4 1/2



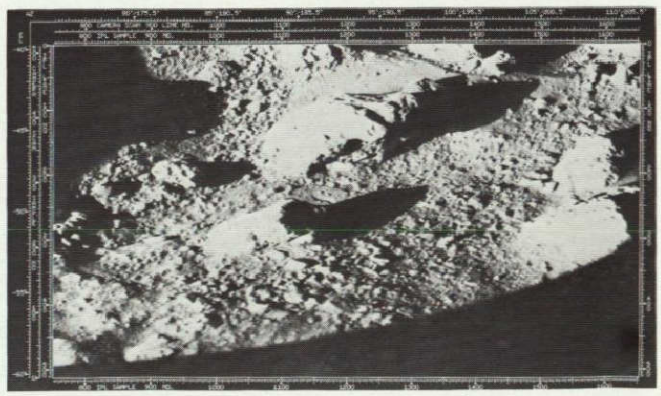
22B211/051 BB4 2/2

22B212/051 BB1

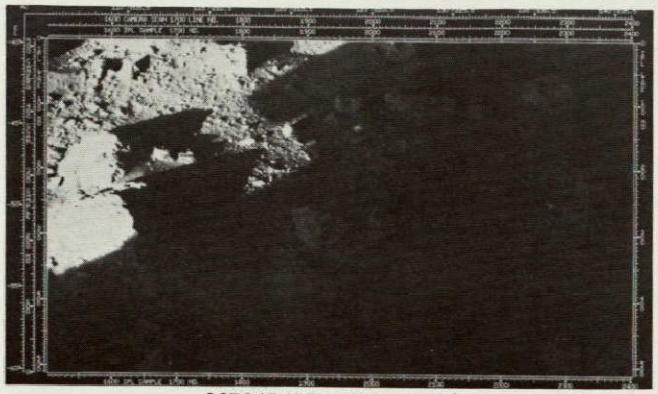
21B213/051 BB4

21B214/051 BB2

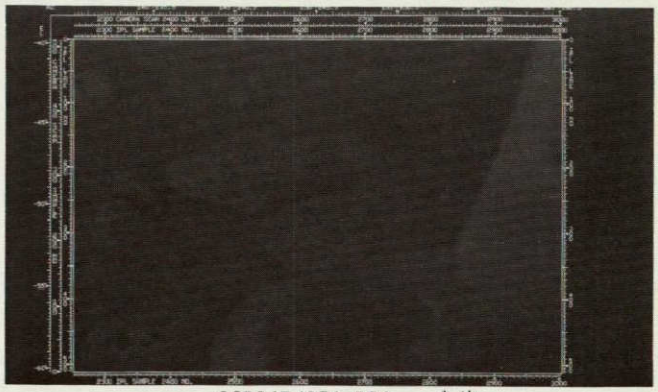
22B215/051 BB1 1/4



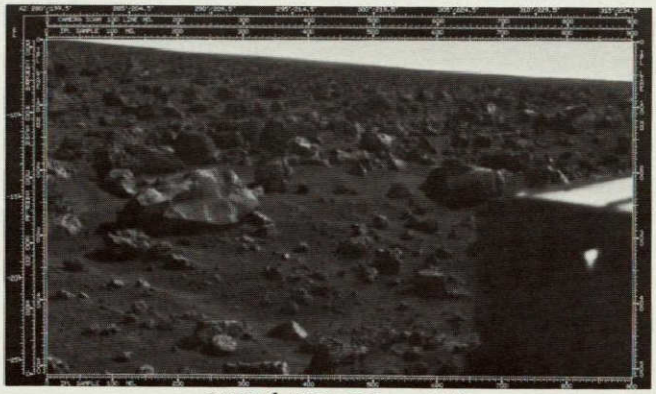
22B215/051 BB1 2/4



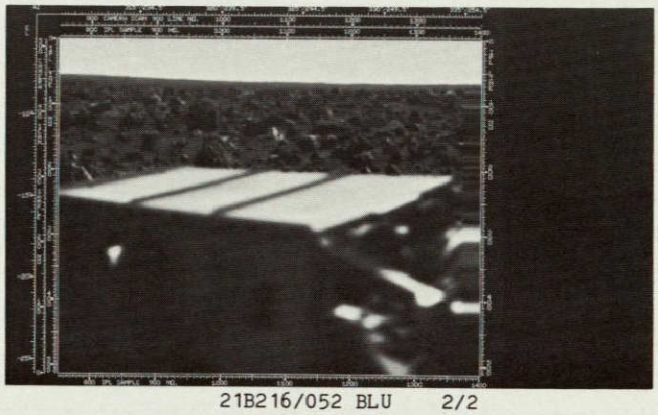
22B215/051 BB1 3/4



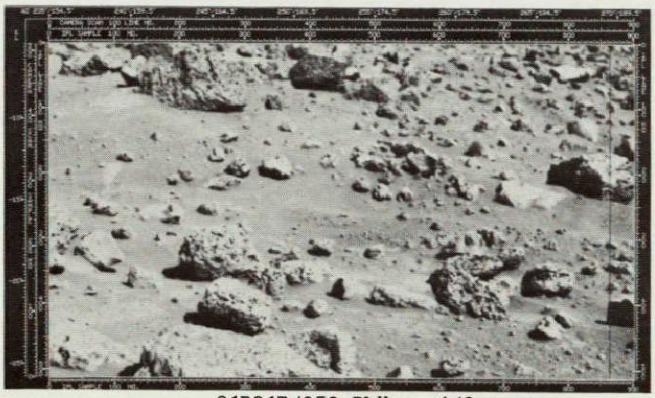
22B215/051 BB1 4/4



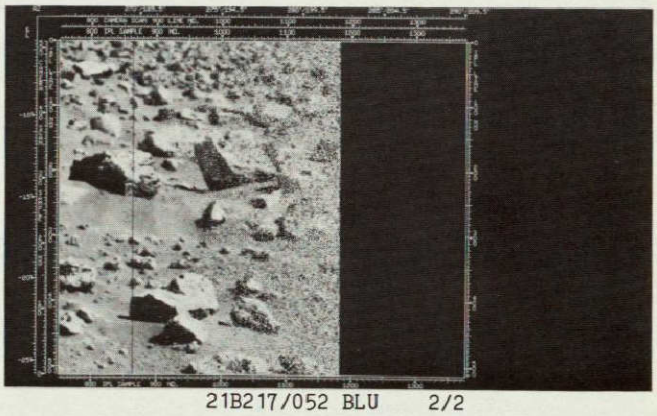
21B216/052 BLU 1/2



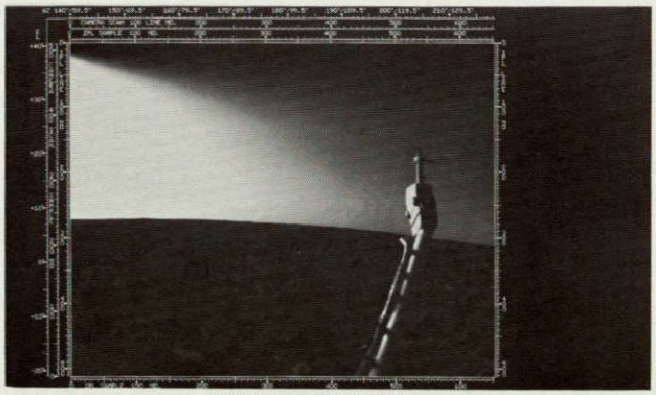
21B216/052 BLU 2/2



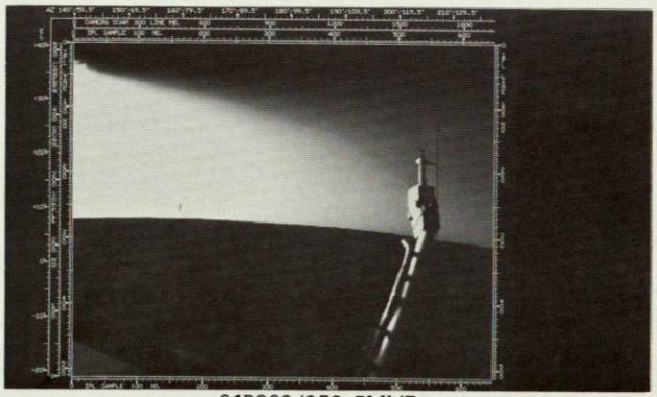
21B217/052 BLU 1/2



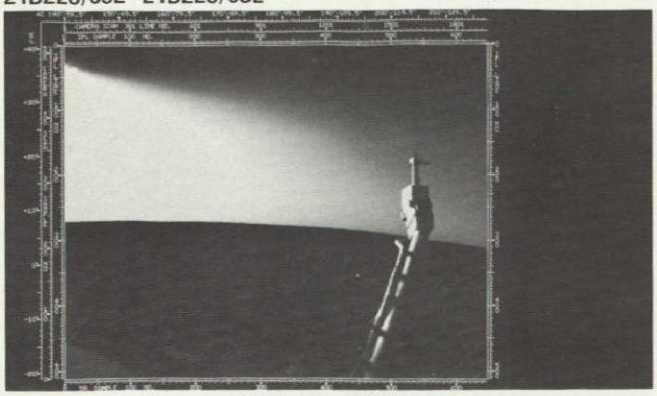
21B217/052 BLU 2/2



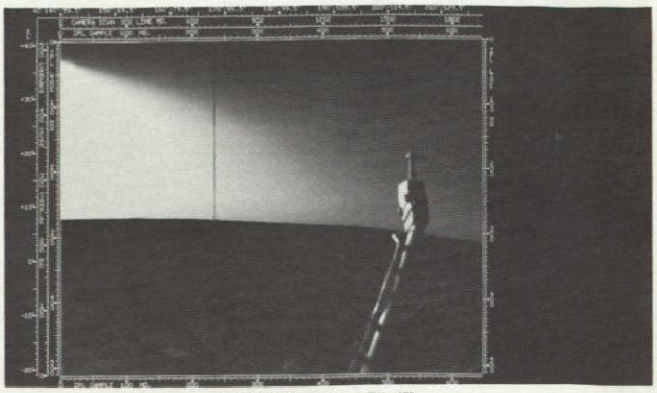
21B219/052 SURV



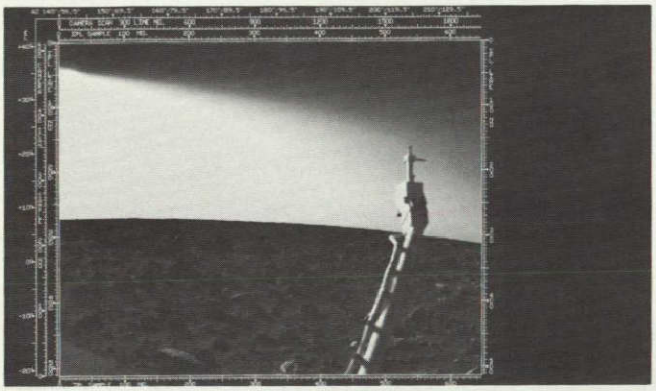
21B220/052 BLU/T



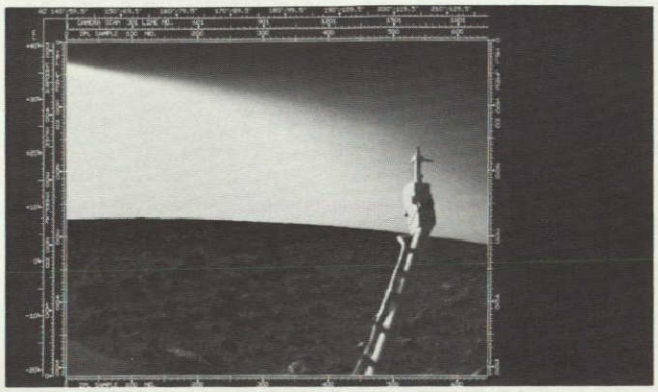
21B220/052 GRN/T



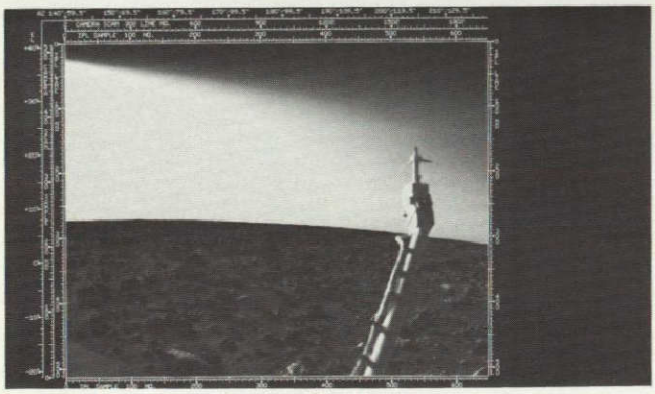
21B220/052 RED/T



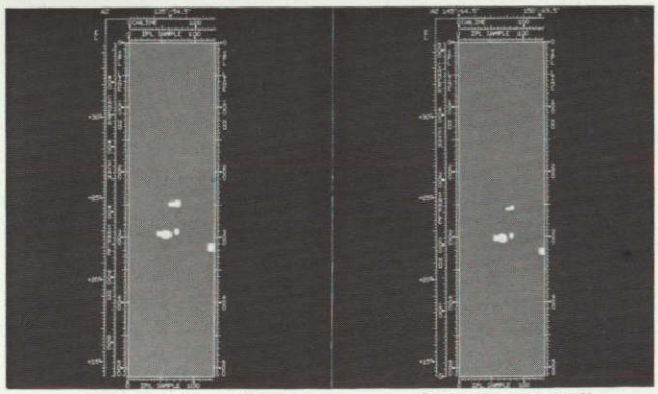
21B221/052 IR3/T



21B221/052 IR2/T

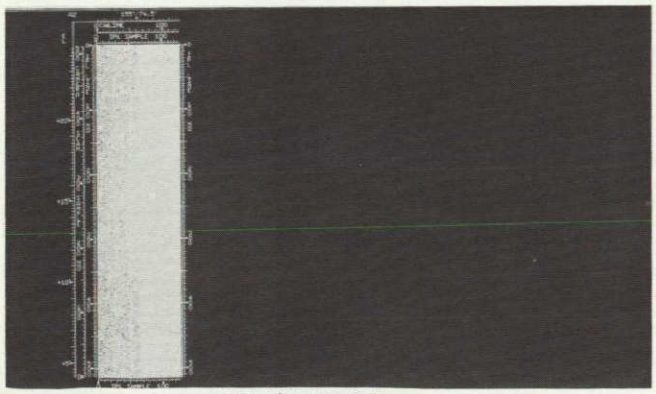


21B221/052 IR1/T

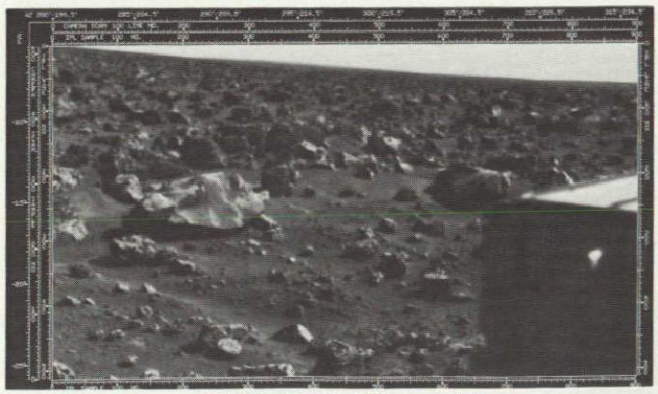


21B222/052 SUN

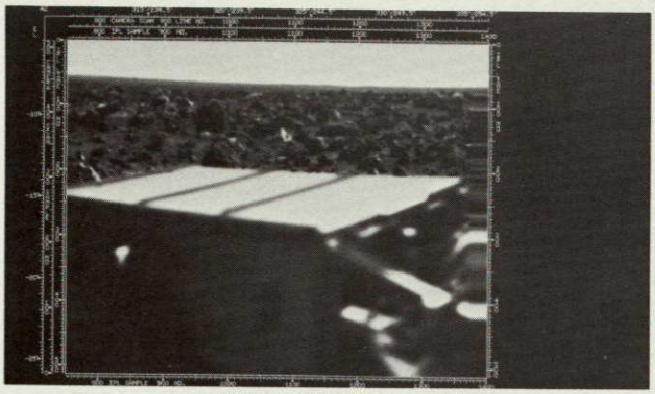
21B223/052 SUN



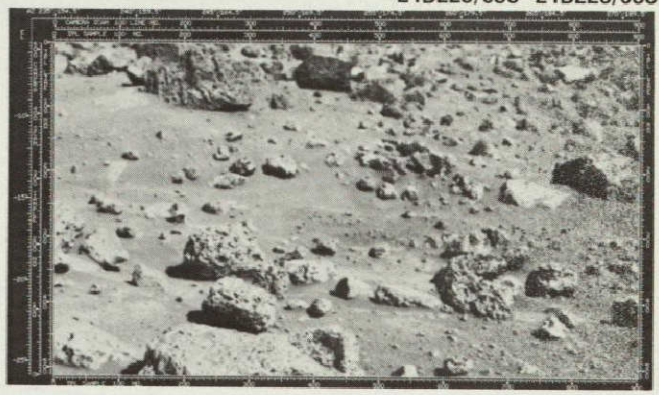
21B224/052 SUN



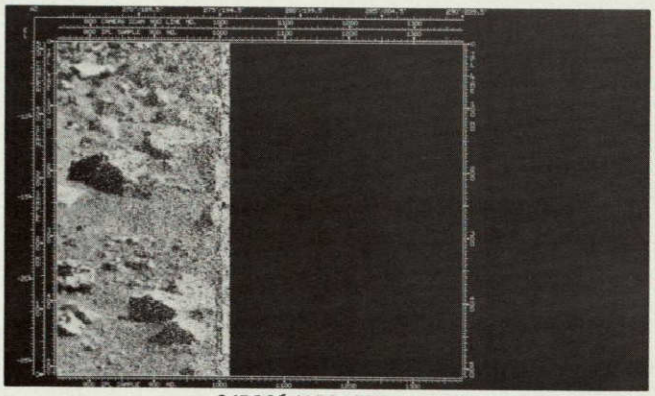
21B225/053 GRN 1/2



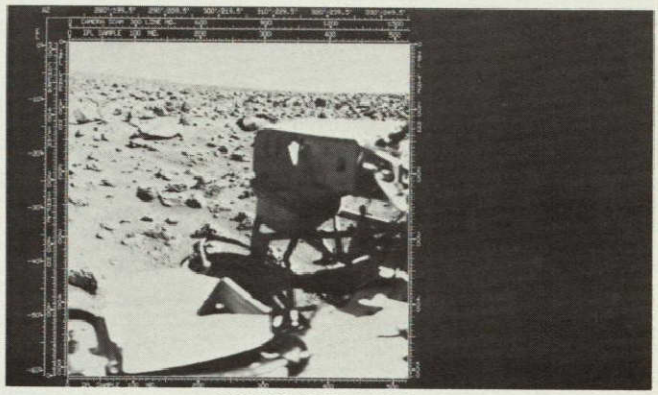
21B225/053 GRN 2/2



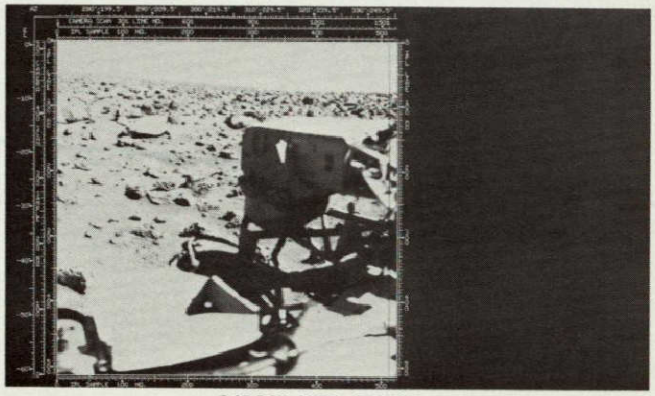
21B226/053 GRN 1/2



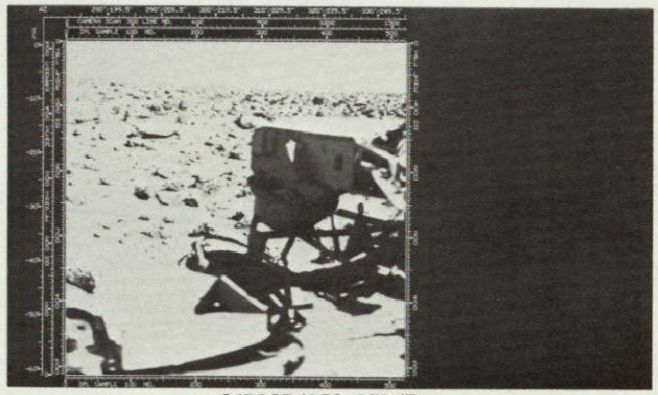
21B226/053 GRN 2/2



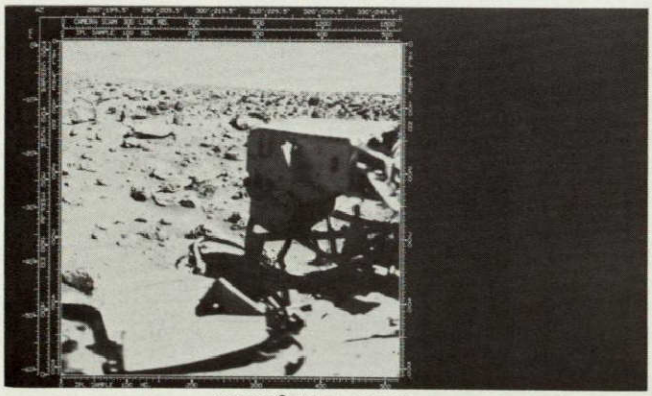
21B227/053 BLU/T



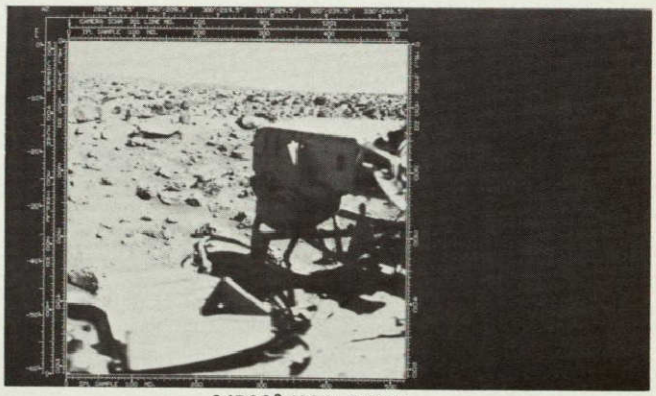
21B227/053 GRN/T



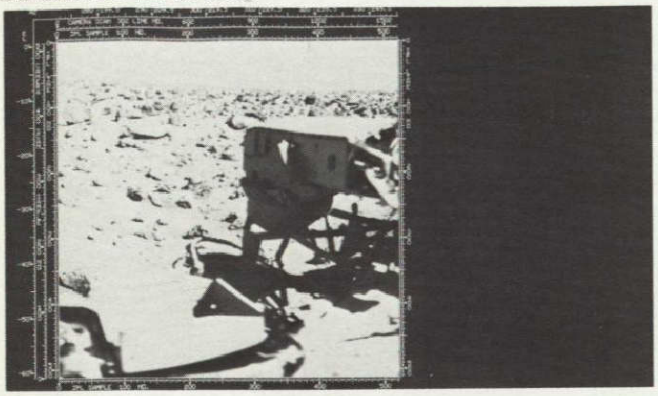
21B227/053 RED/T

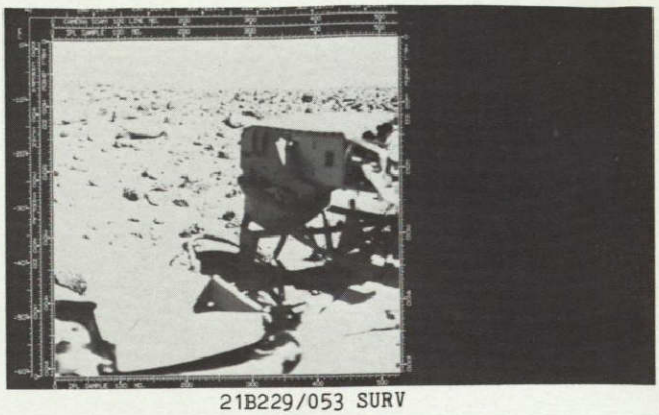


21B228/053 IR3/T

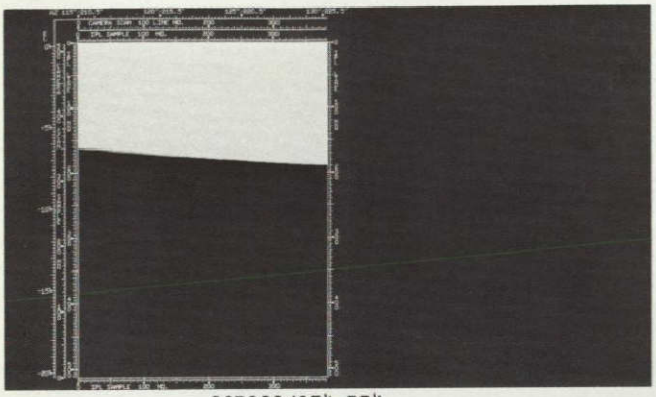


21B228/053 IR2/T

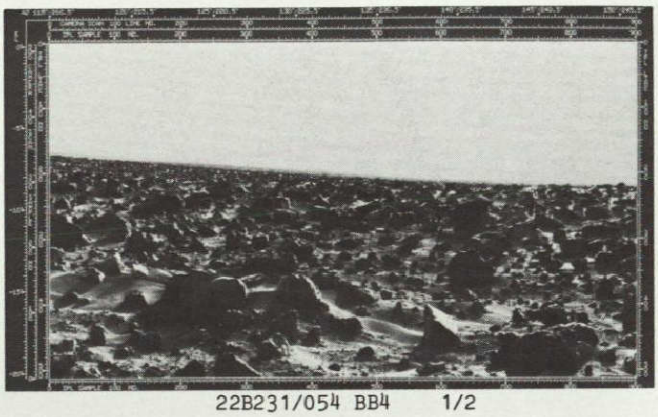




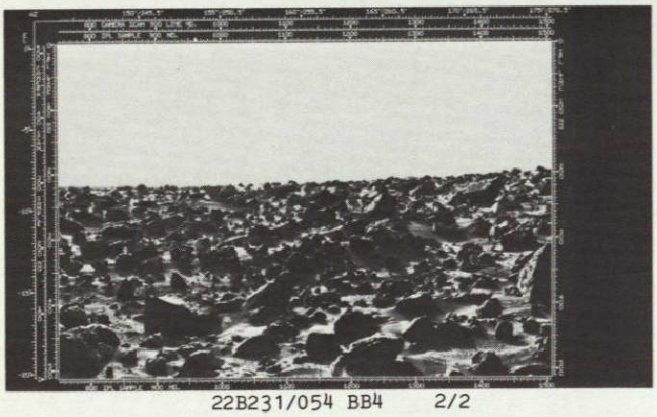
21B229/053 SURV



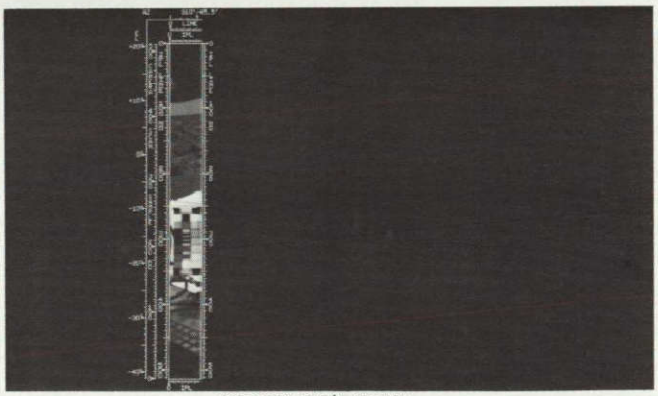
22B230/054 BB4



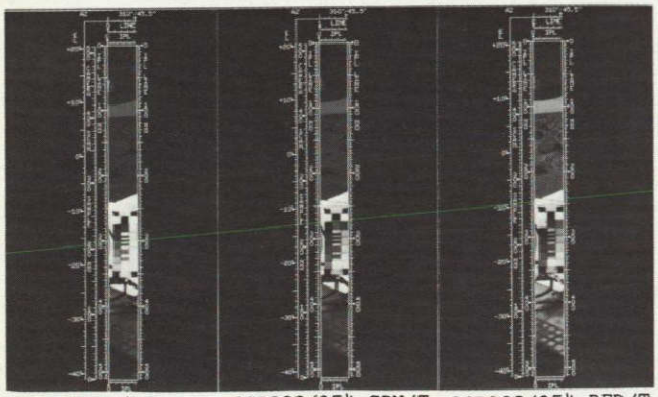
22B231/054 BB4 1/2



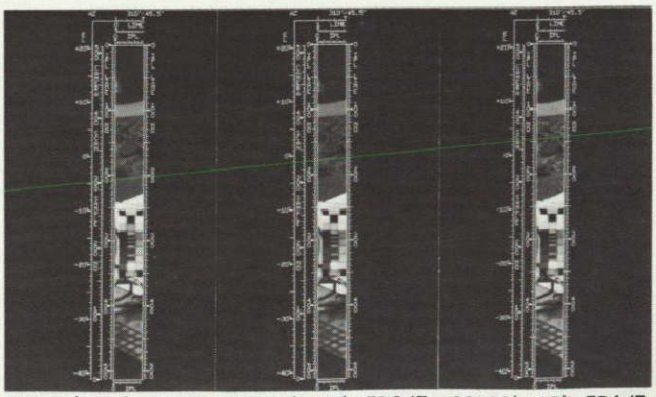
22B231/054 BB4 2/2



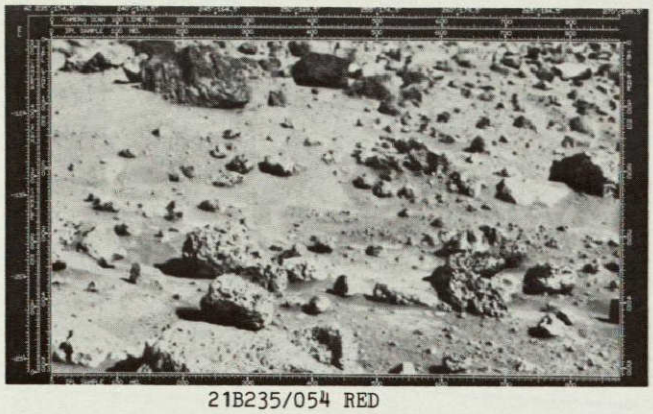
22B232/054 SURV



22B233/054 BLU/T 22B233/054 GRN/T 22B233/054 RED/T

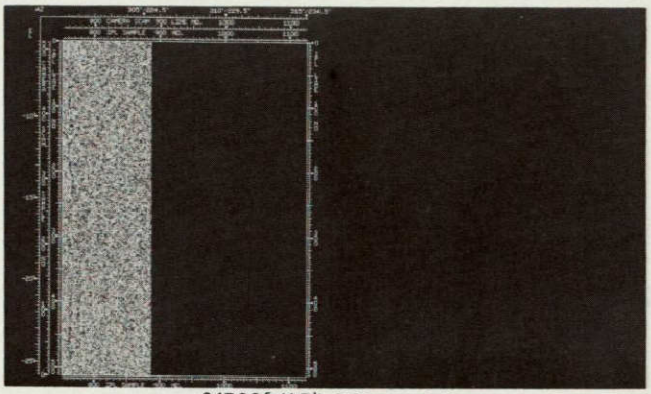


22B234/054 IR3/T 22B234/054 IR2/T 22B234/054 IR1/T

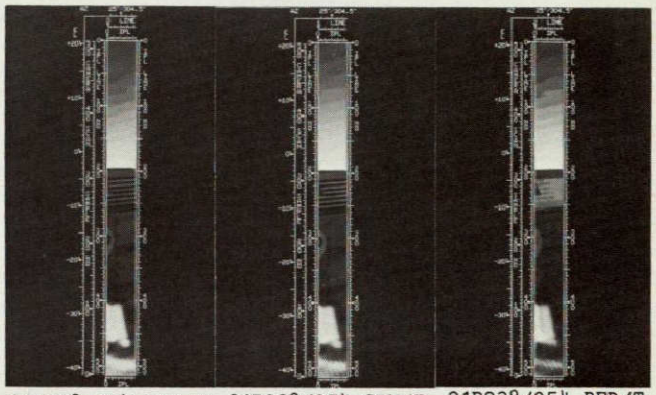


21B235/054 RED

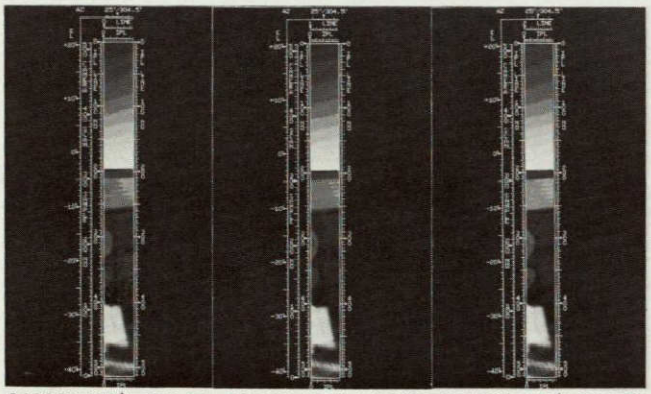
21B236/054 RED 1/2



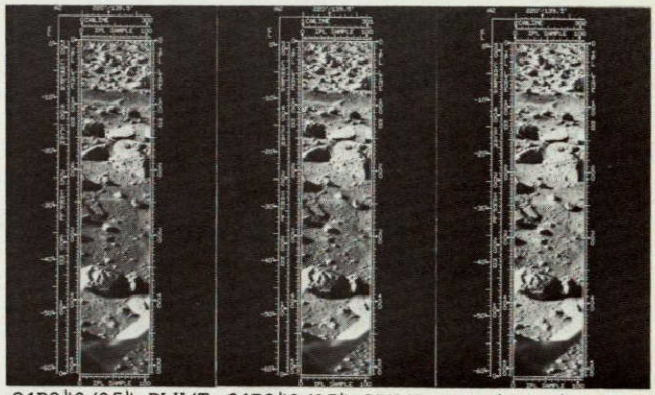
21B236/054 RED 2/2



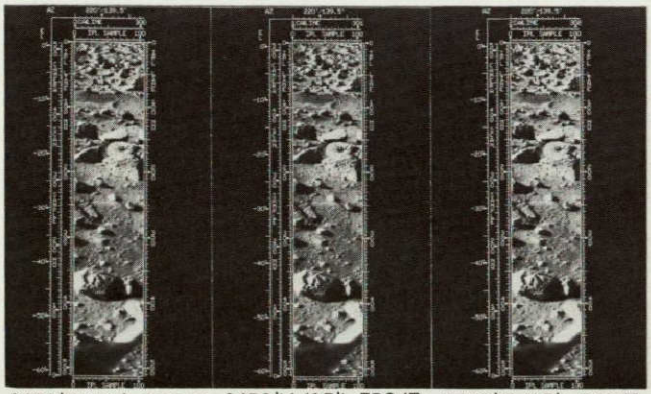
21B238/054 BLU/T 21B238/054 GRN/T 21B238/054 RED/T



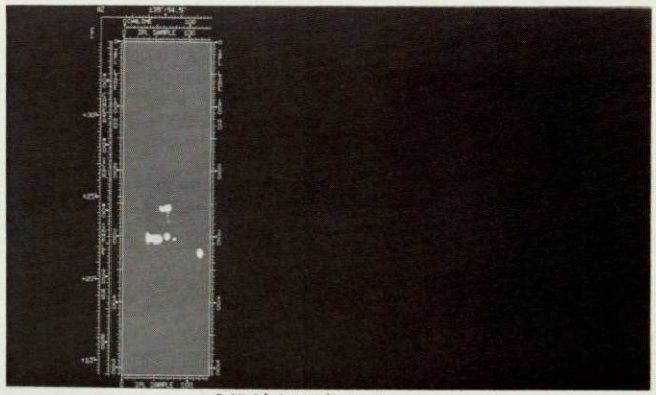
21B239/054 IR3/T 21B239/054 IR2/T 21B239/054 IR1/T



21B240/054 BLU/T 21B240/054 GRN/T 21B240/054 RED/T

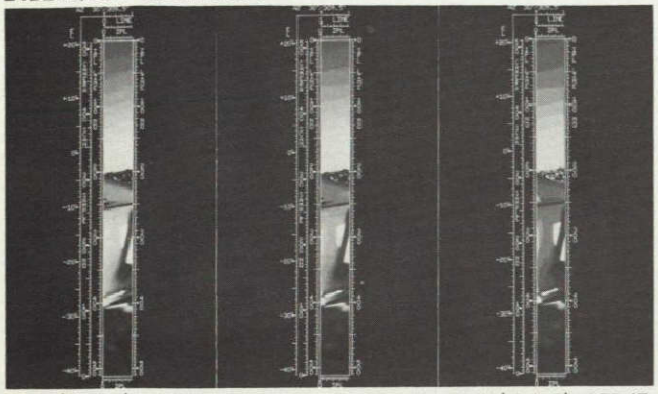


21B241/054 IR3/T 21B241/054 IR2/T 21B241/054 IR1/T

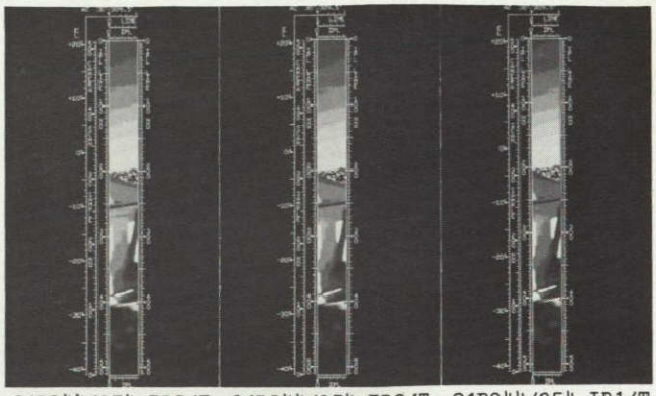


21B242/054 SUN

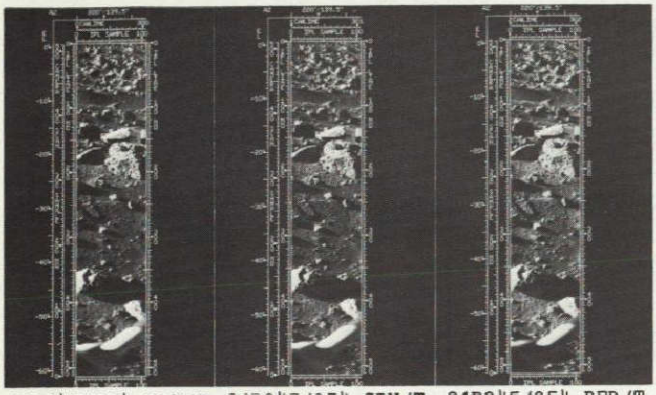
VL-2



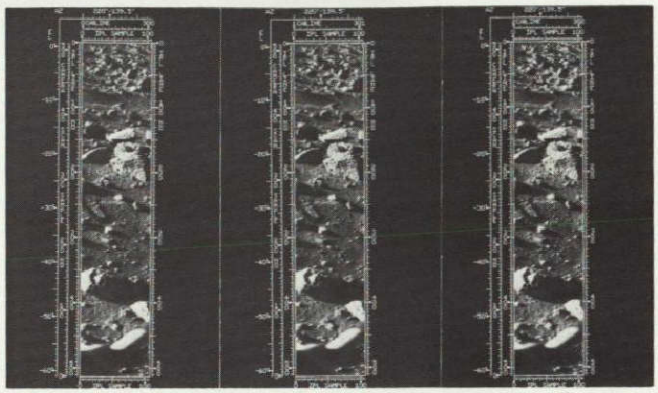
21B243/054 BLU/T 21B243/054 GRN/T 21B243/054 RED/T



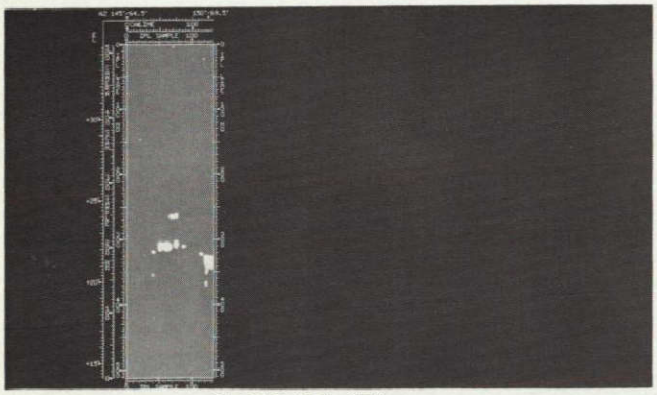
21B244/054 IR3/T 21B244/054 IR2/T 21B244/054 IR1/T



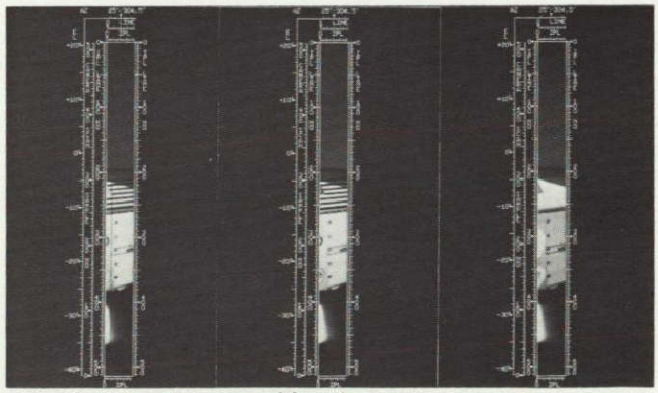
21B245/054 BLU/T 21B245/054 GRN/T 21B245/054 RED/T



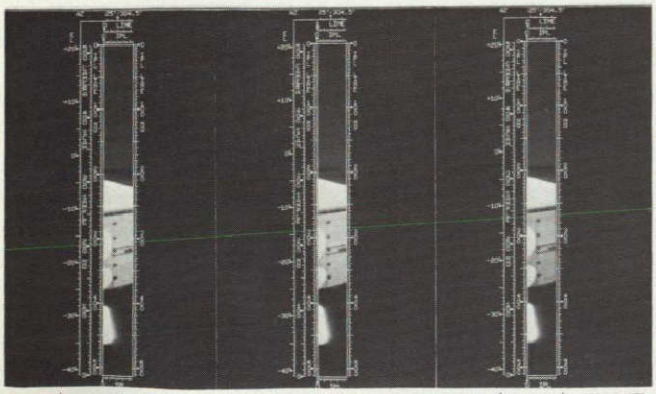
21B246/054 IR3/T 21B246/054 IR2/T 21B246/054 IR1/T



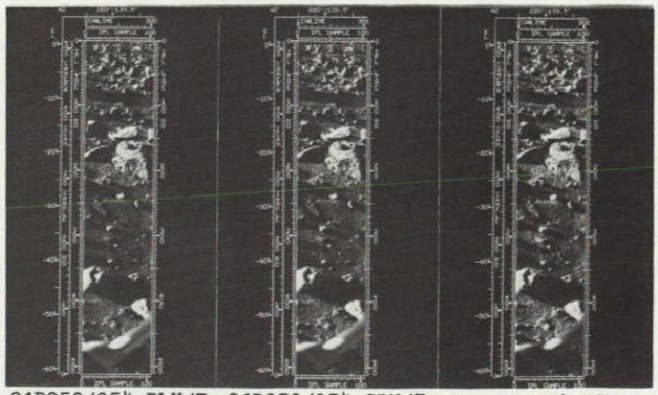
21B247/054 SUN



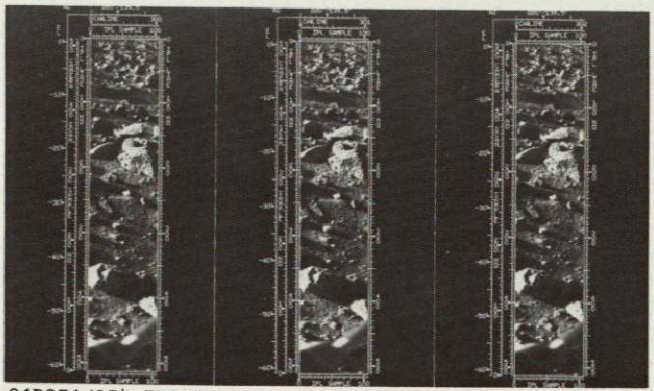
21B248/054 BLU/T 21B248/054 GRN/T 21B248/054 RED/T



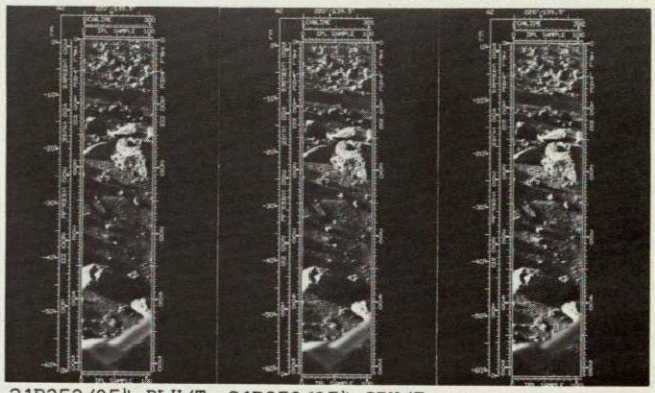
21B249/054 IR3/T 21B249/054 IR2/T 21B249/054 IR1/T



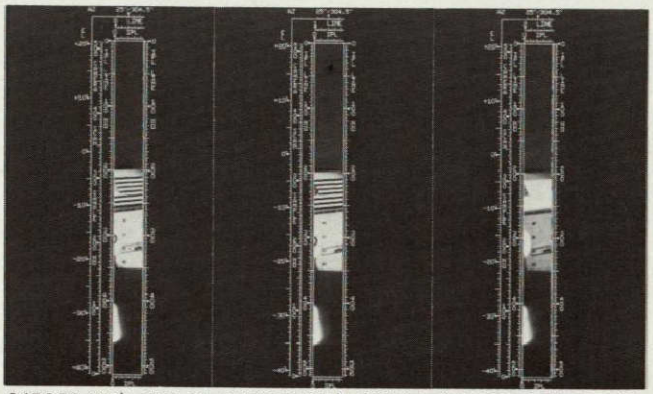
21B250/054 BLU/T 21B250/054 GRN/T 21B250/054 RED/T



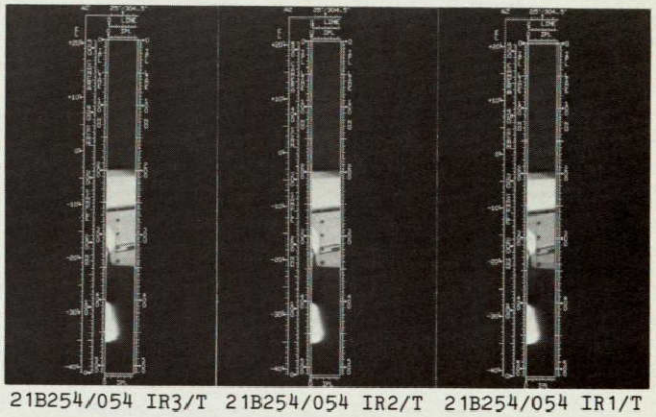
21B251/054 IR3/T 21B251/054 IR2/T 21B251/054 IR1/T



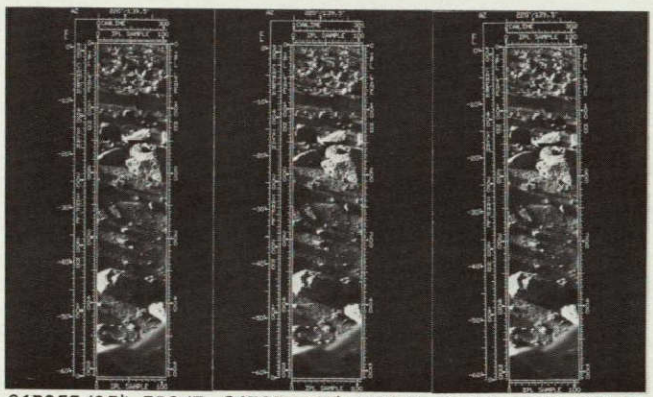
21B252/054 BLU/T 21B252/054 GRN/T 21B252/054 RED/T



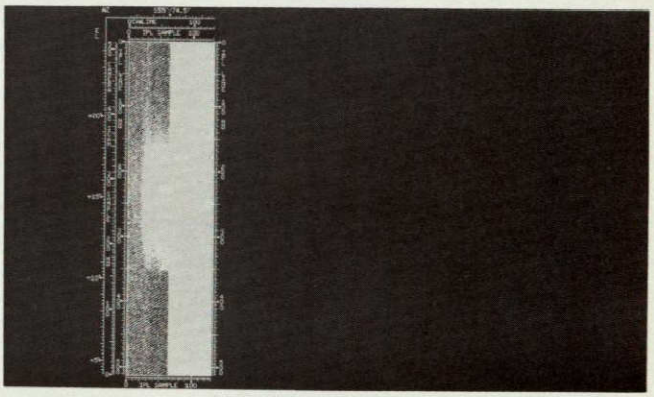
21B253/054 BLU/T 21B253/054 GRN/T 21B253/054 RED/T



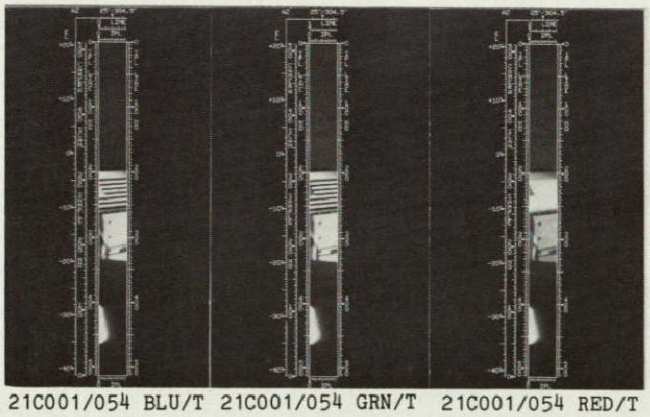
21B254/054 IR3/T 21B254/054 IR2/T 21B254/054 IR1/T



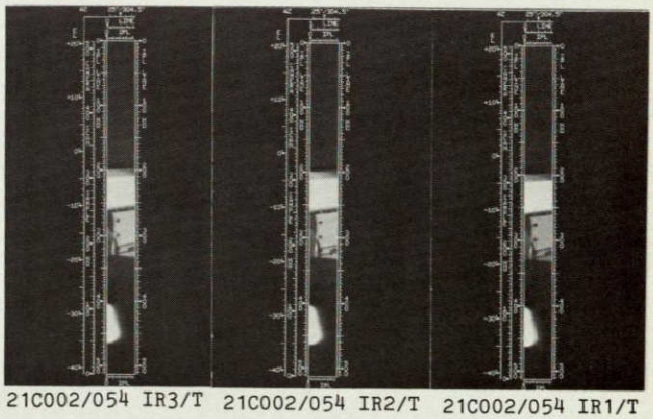
21B255/054 IR3/T 21B255/054 IR2/T 21B255/054 IR1/T



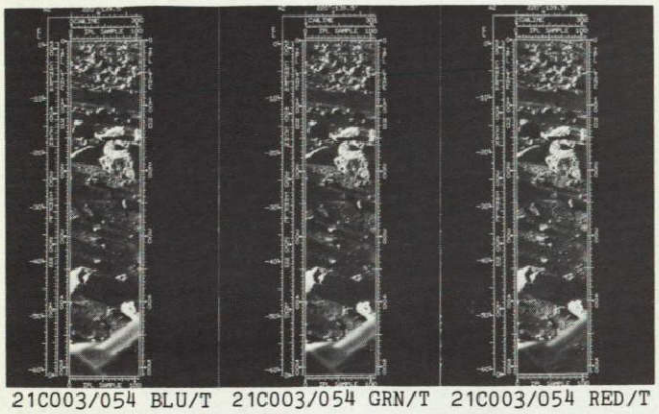
21C000/054 SUN



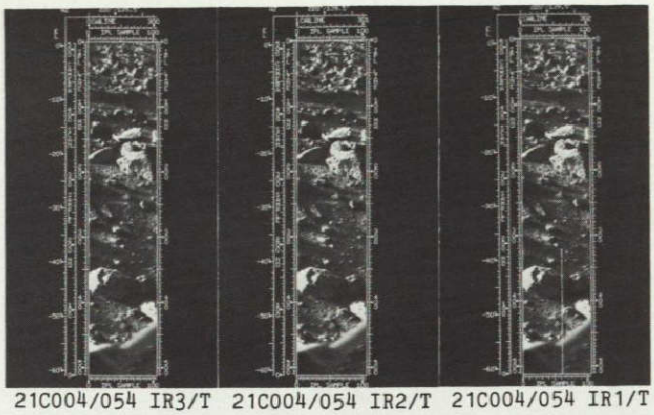
21C001/054 BLU/T 21C001/054 GRN/T 21C001/054 RED/T



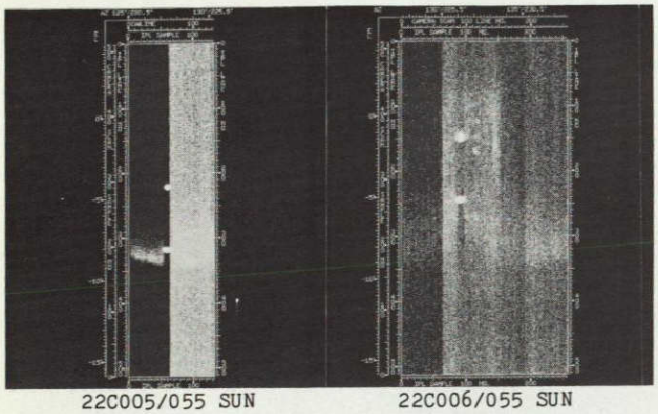
21C002/054 IR3/T 21C002/054 IR2/T 21C002/054 IR1/T



21C003/054 BLU/T 21C003/054 GRN/T 21C003/054 RED/T

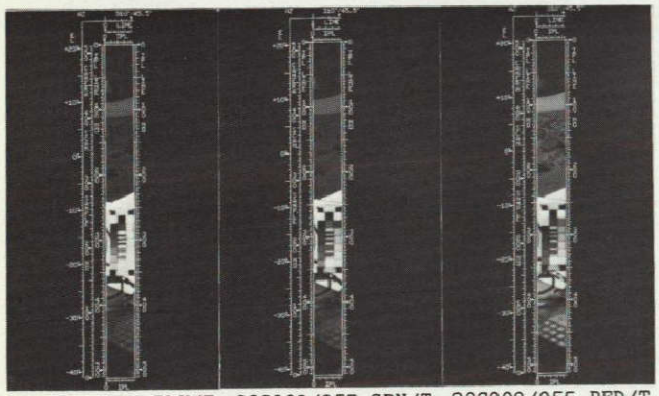


21C004/054 IR3/T 21C004/054 IR2/T 21C004/054 IR1/T

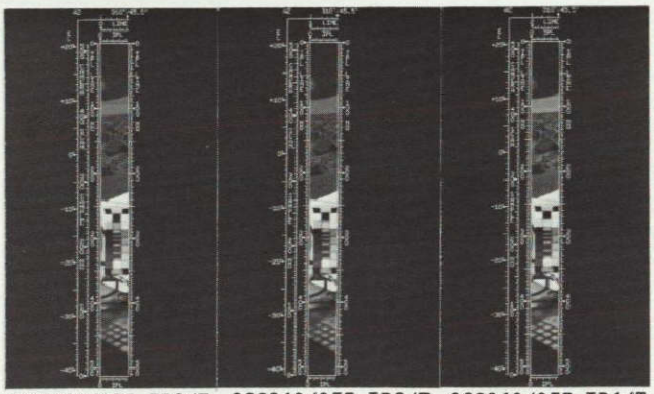


22C005/055 SUN 22C006/055 SUN

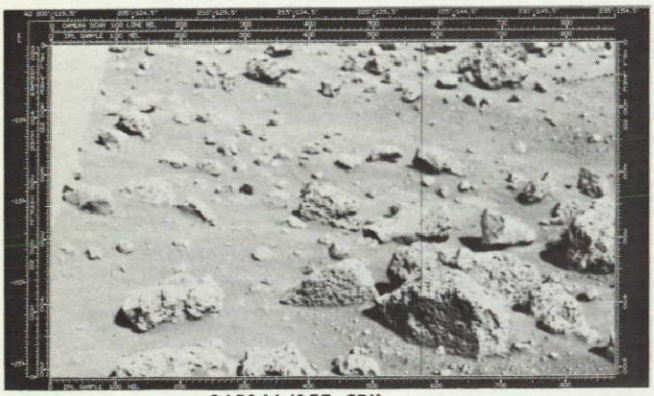
22C007/055 SUN 22C008/055 SURV



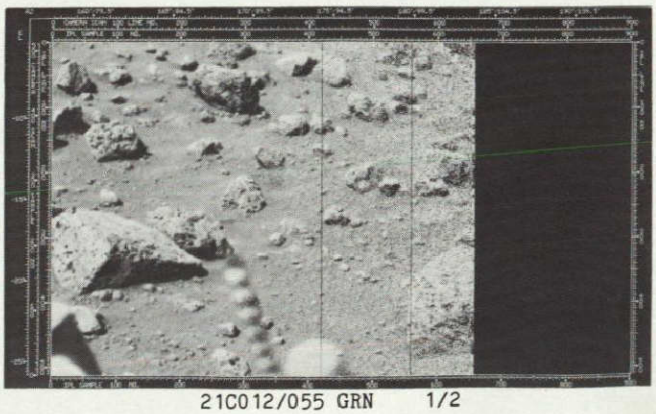
22C009/055 BLU/T 22C009/055 GRN/T 22C009/055 RED/T



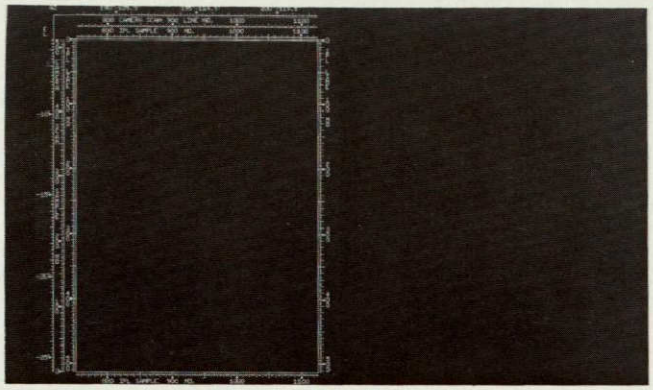
22C010/055 IR3/T 22C010/055 IR2/T 22C010/055 IR1/T



21C011/055 GRN



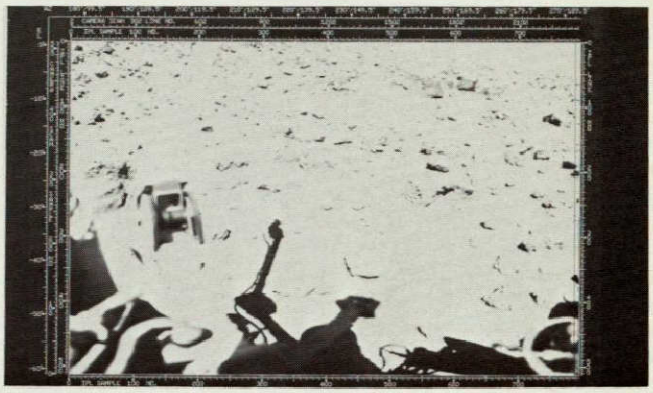
21C012/055 GRN 1/2



21C012/055 GRN 2/2

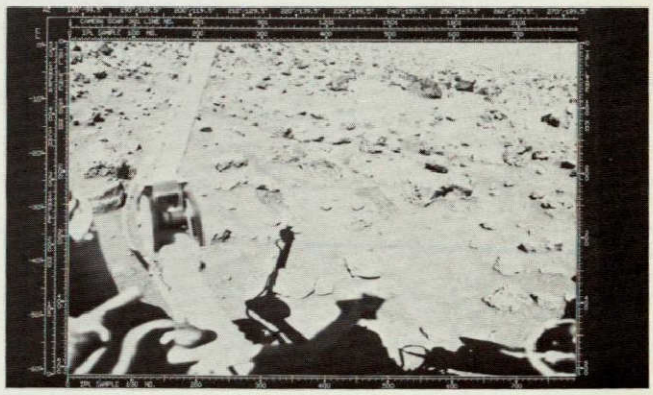
21C013/055 BLU/T

21C013/055 GRN/T

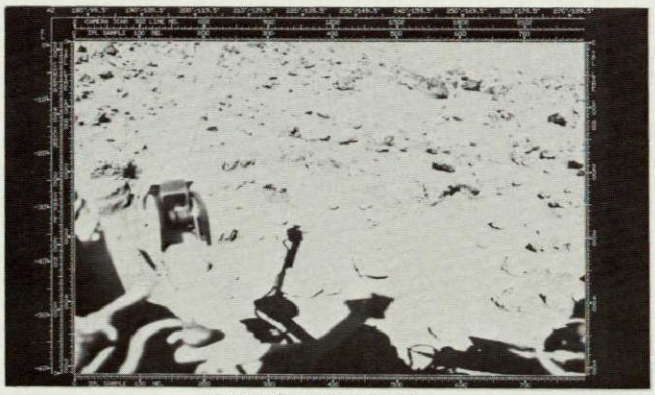


21C013/055 RED/T

21C014/055 IR3/T

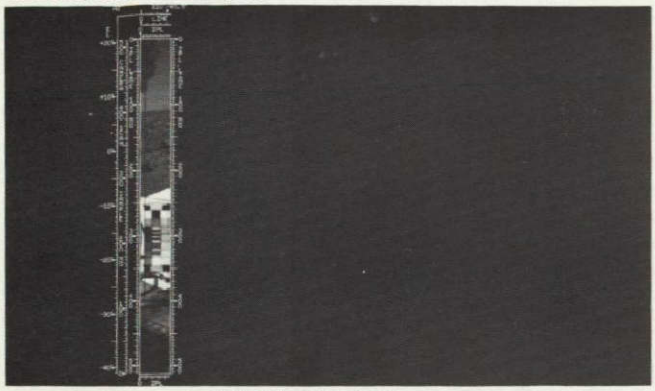


21C014/055 IR2/T

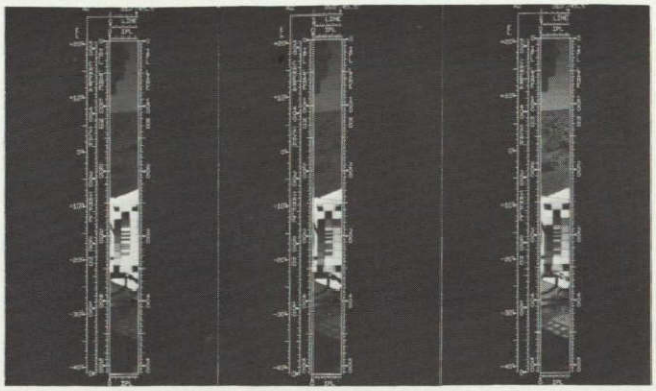


21C014/055 IR1/T

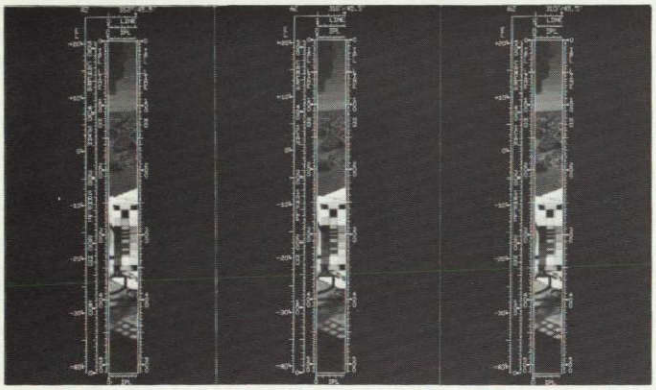
21C015/055 SURV



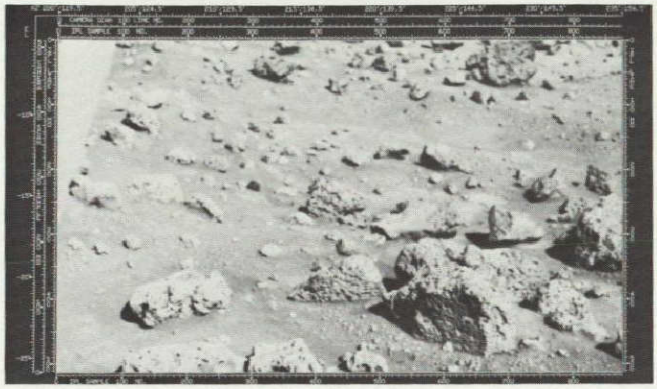
22C016/056 SURV



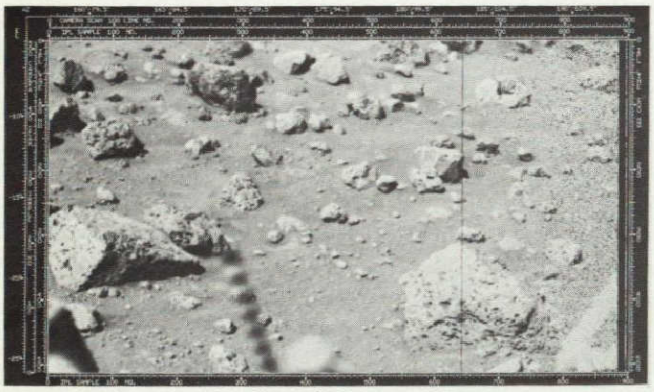
22C017/056 BLU/T 22C017/056 GRN/T 22C017/056 RED/T



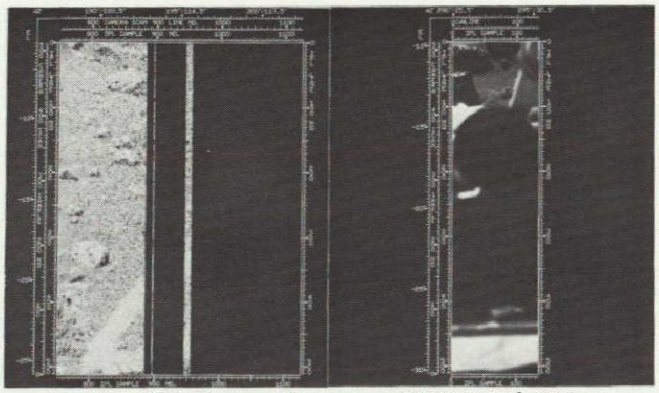
22C018/056 IR3/T 22C018/056 IR2/T 22C018/056 IR1/T



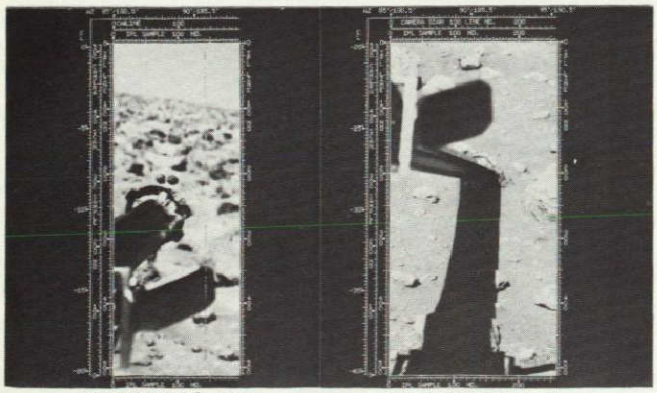
21C019/056 RED



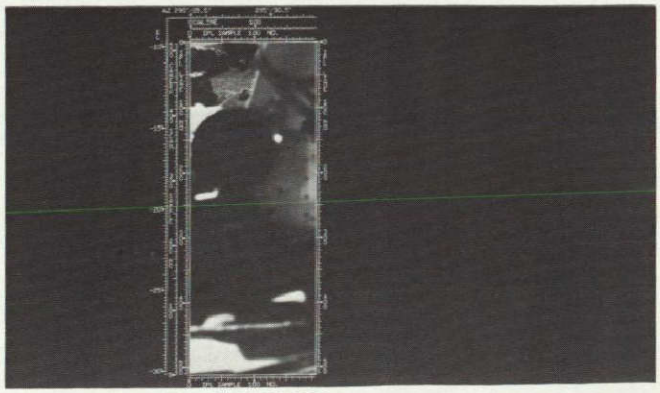
21C020/056 RED 1/2



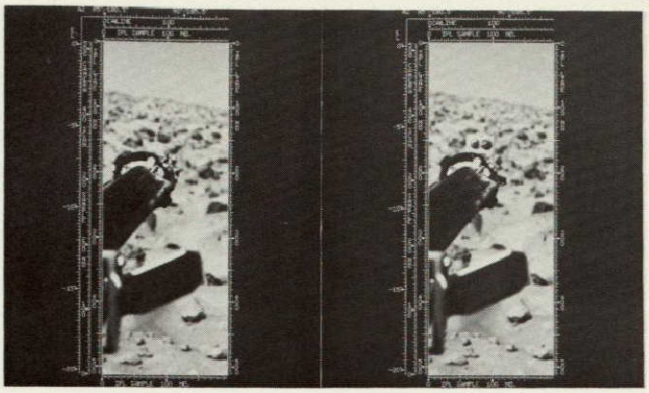
21C020/056 RED 2/2 22C021/056 BB3



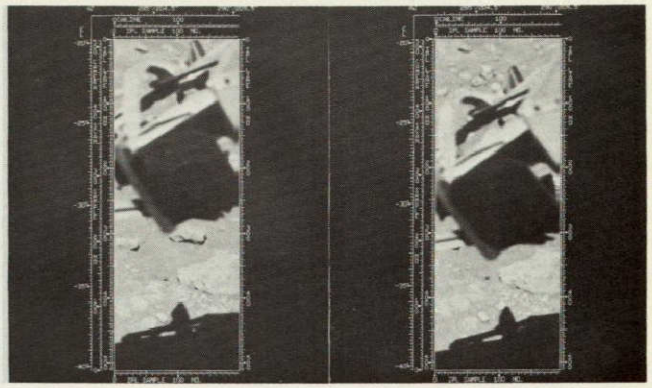
22C022/056 BB1 22C023/056 BB2



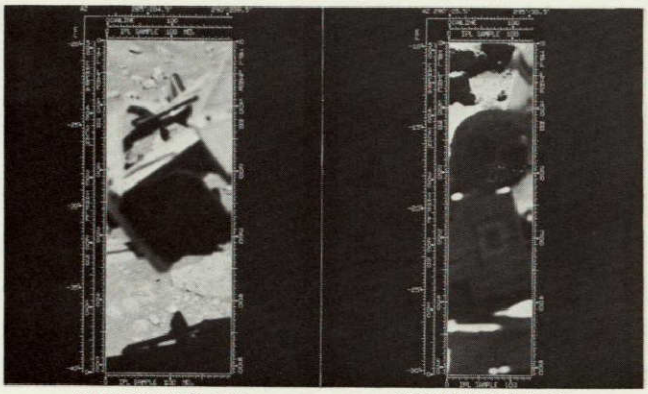
22C024/056 BB3



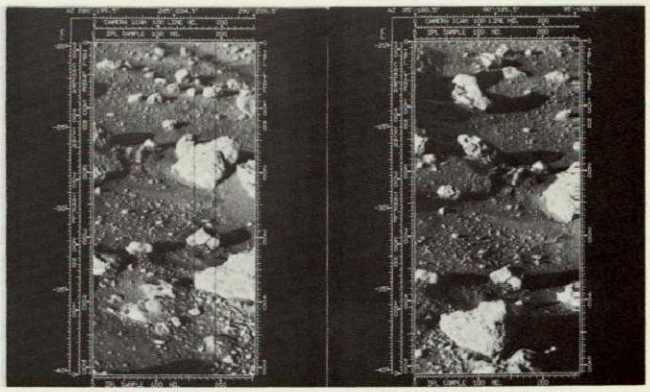
22C025/056 BB1 22C026/056 BB1



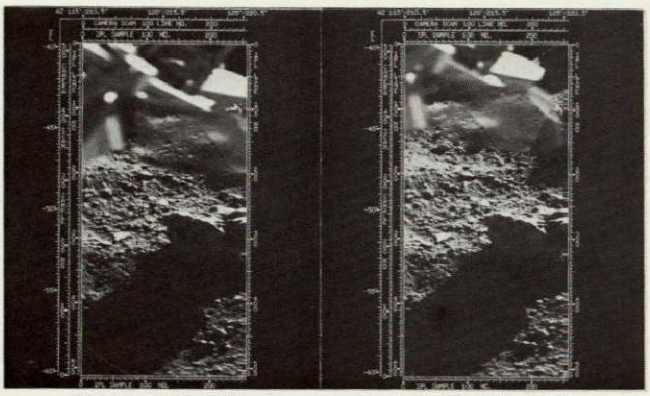
21C027/056 BB1 21C028/056 BB1



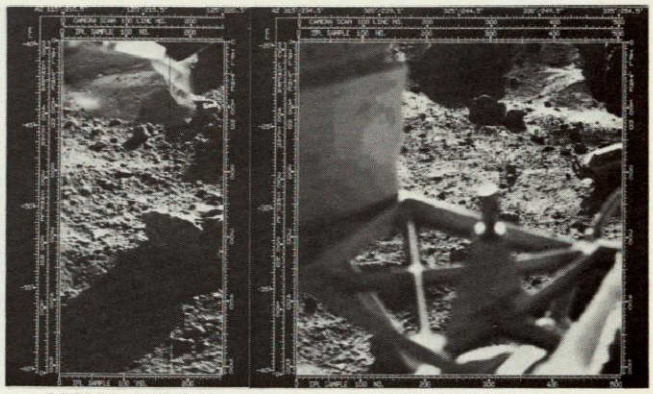
21C029/056 BB1 22C030/056 BB3



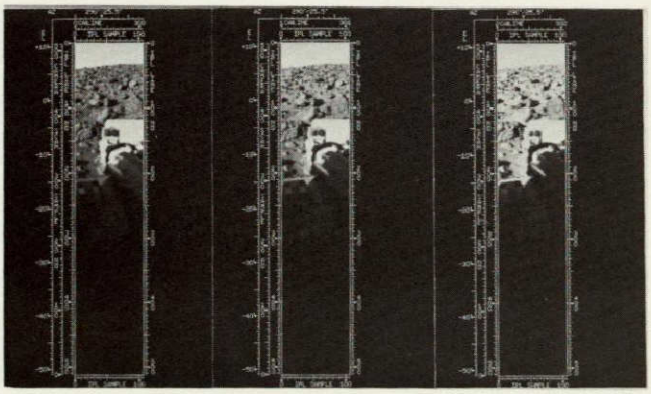
21C031/056 BB2 22C032/056 BB2



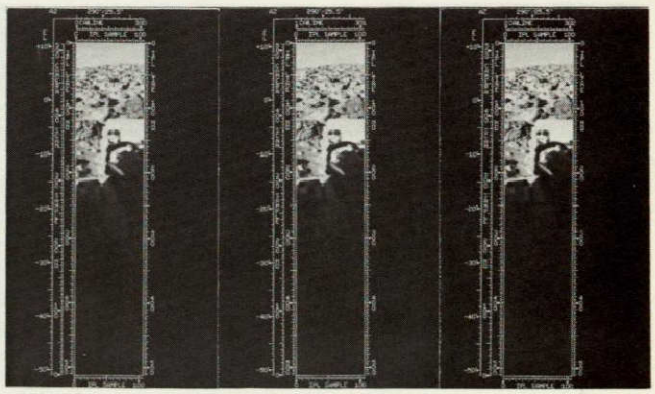
22C033/057 BB1 22C034/057 BB1



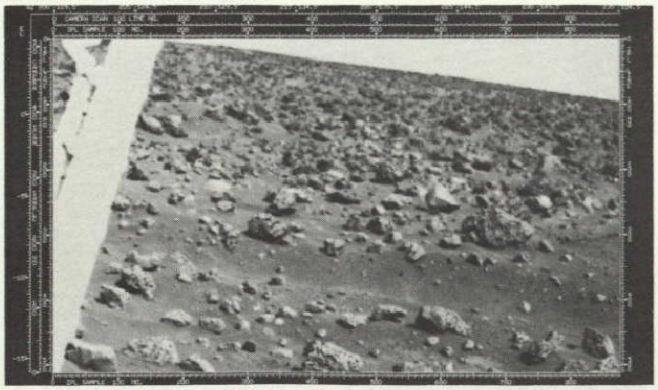
22C035/057 BB1 21C036/057 BB3



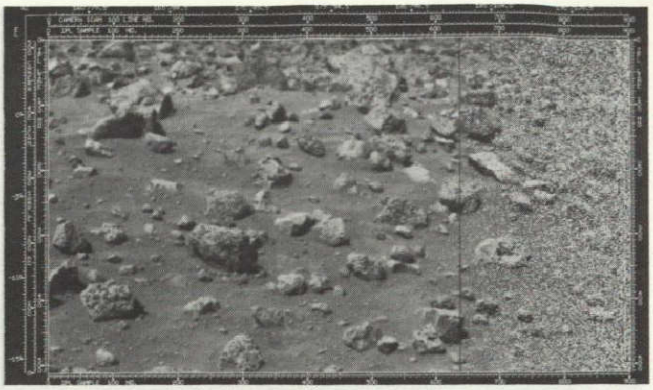
22C037/057 BLU/T 22C037/057 GRN/T 22C037/057 RED/T



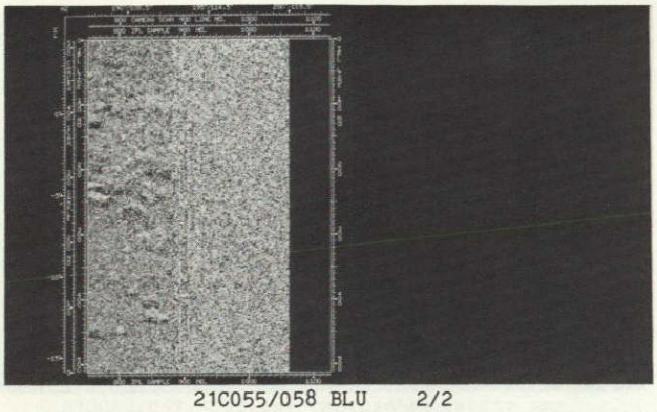
22C038/057 IR3/T 22C038/057 IR2/T 22C038/057 IR1/T



21C054/058 BLU

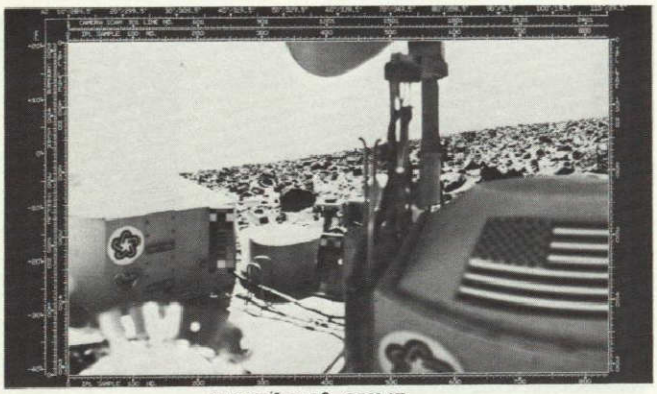


21C055/058 BLU 1/2

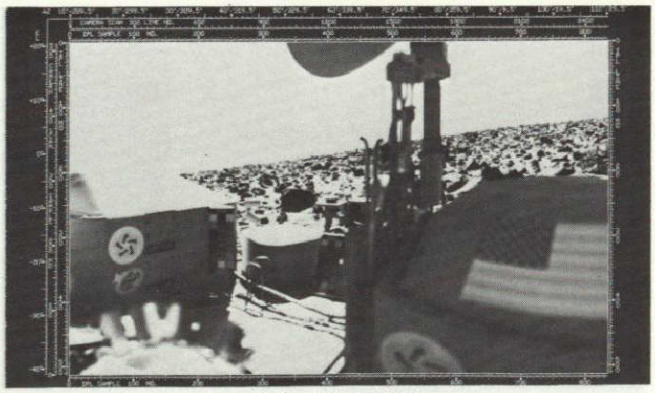


21C055/058 BLU 2/2

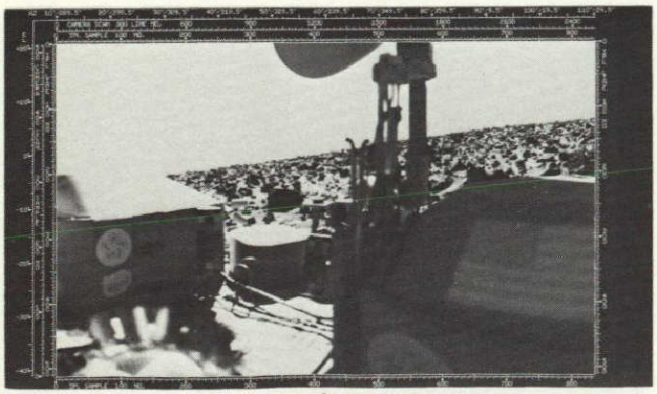
21C056/058 BLU/T



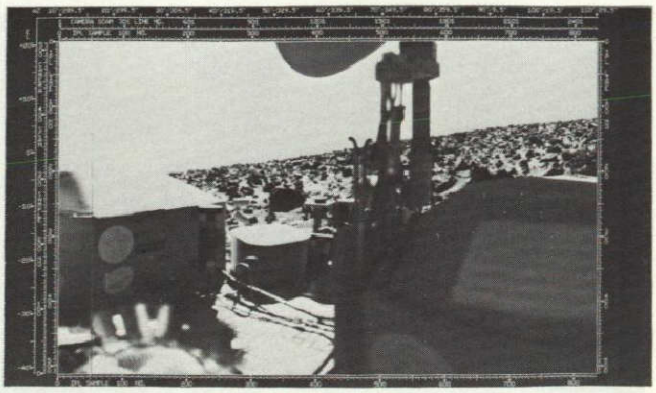
21C056/058 GRN/T



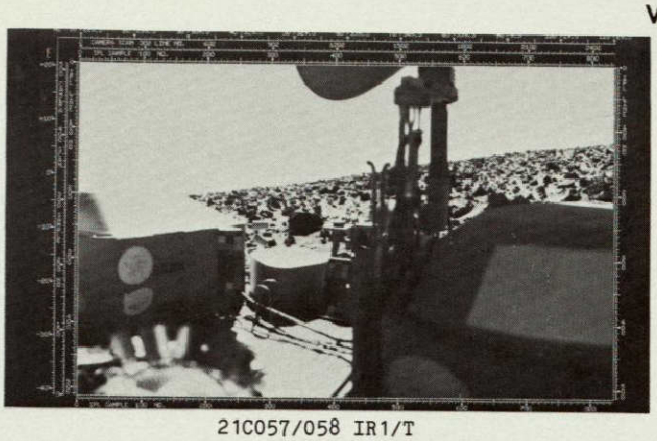
21C056/058 RED/T



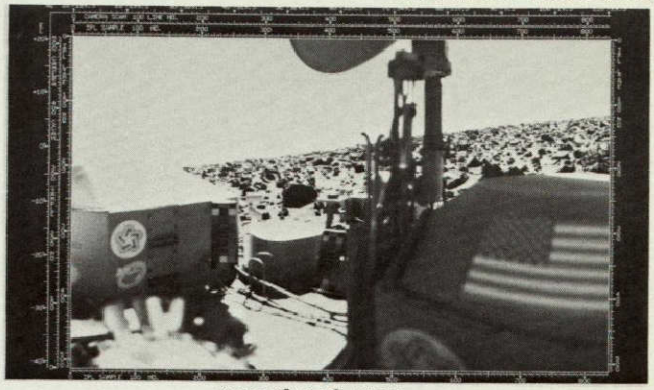
21C057/058 IR3/T



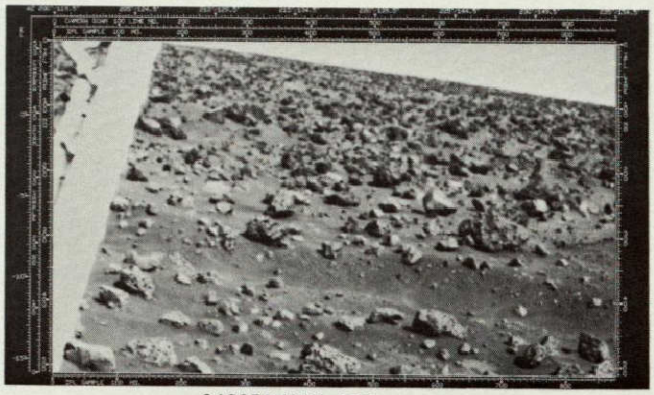
21C057/058 IR2/T



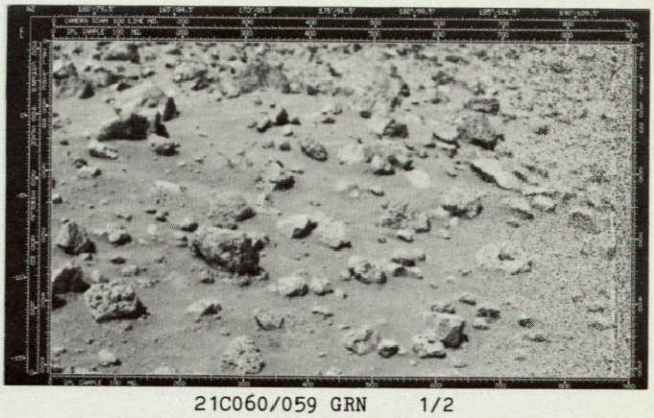
21C057/058 IR1/T



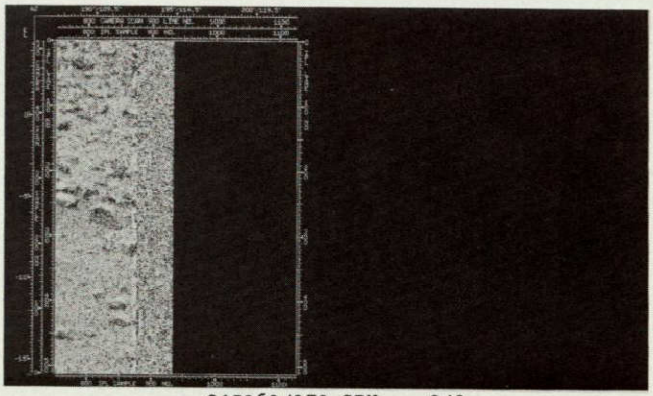
21C058/058 SURV



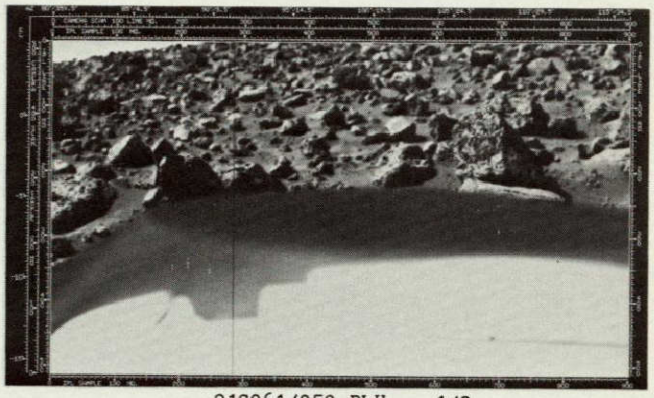
21C059/059 GRN



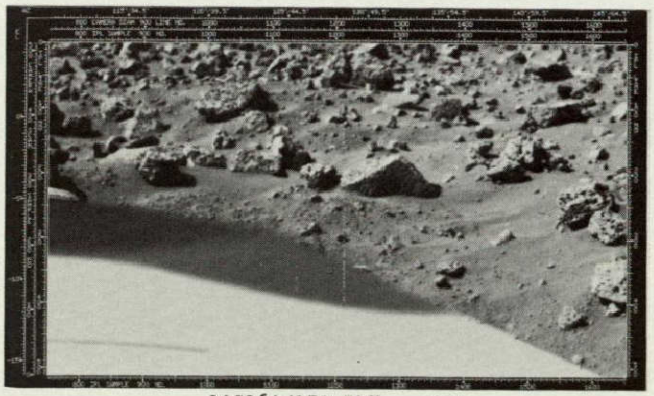
21C060/059 GRN 1/2



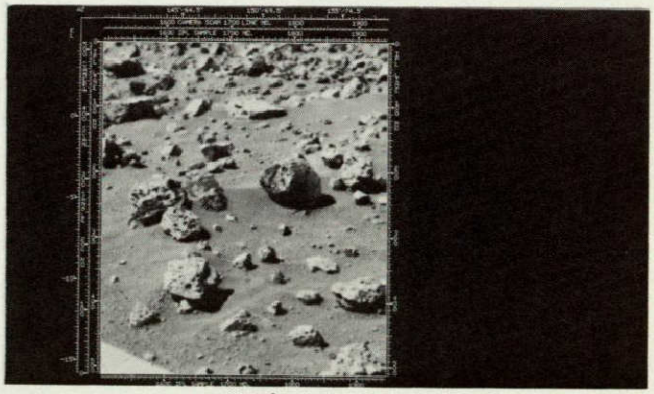
21C060/059 GRN 2/2



21C061/059 BLU 1/3



21C061/059 BLU 2/3



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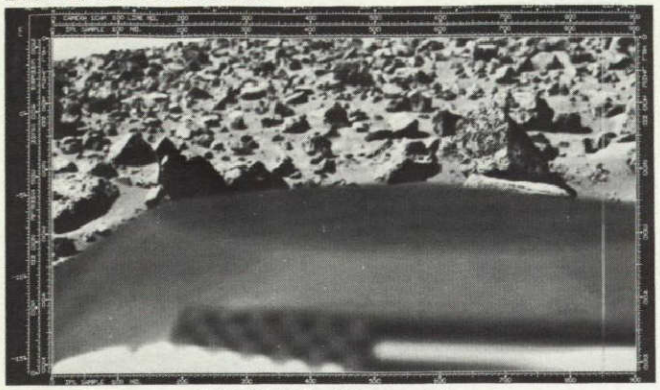

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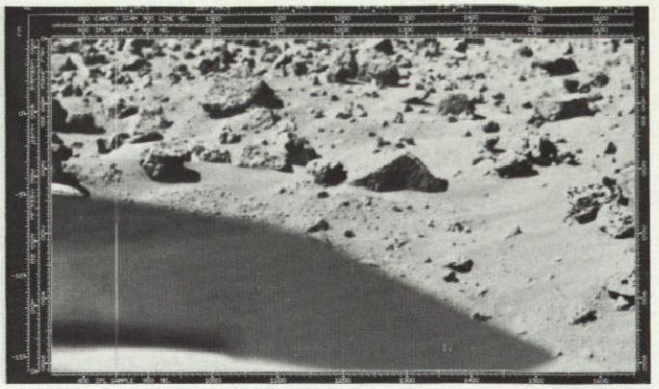

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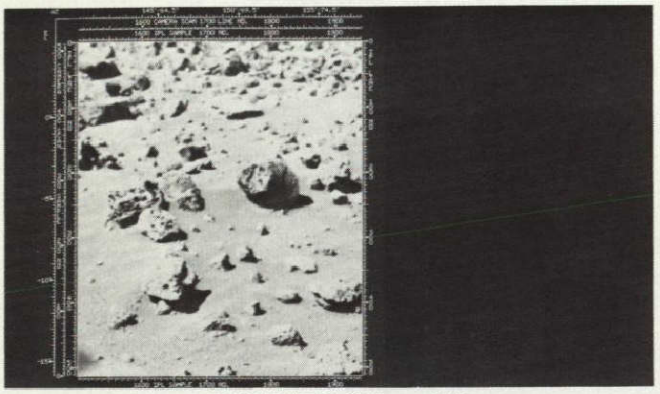

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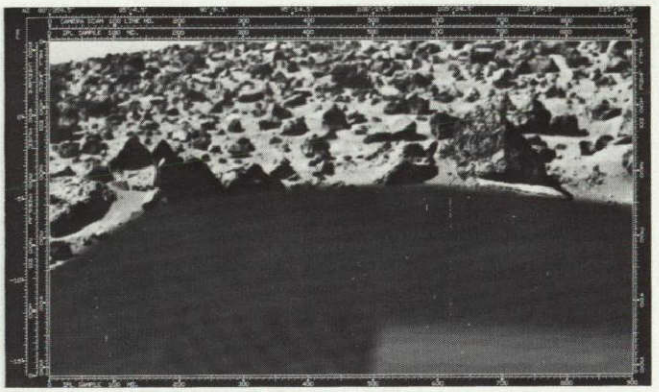

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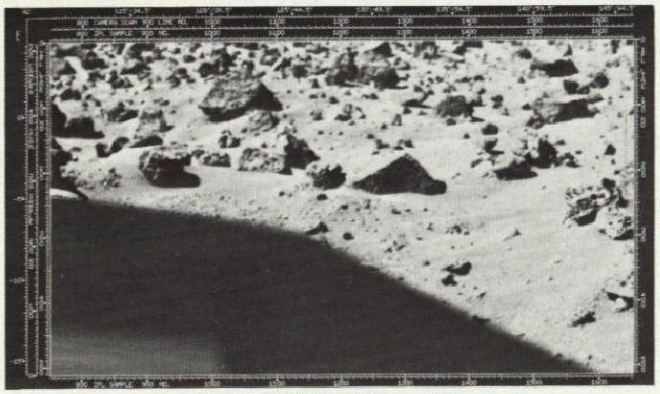

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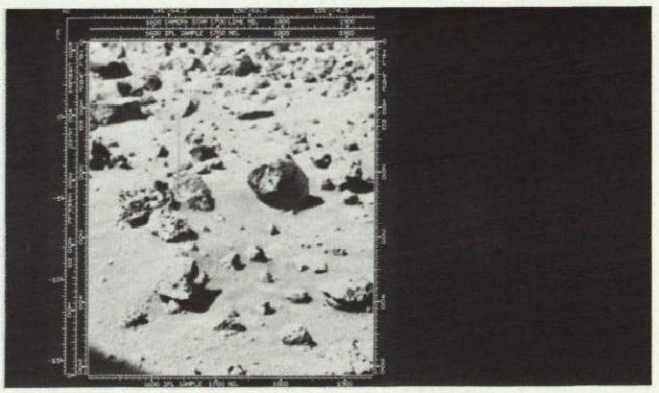

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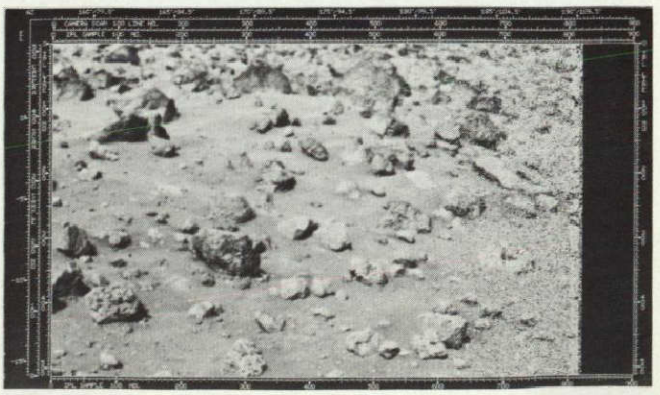

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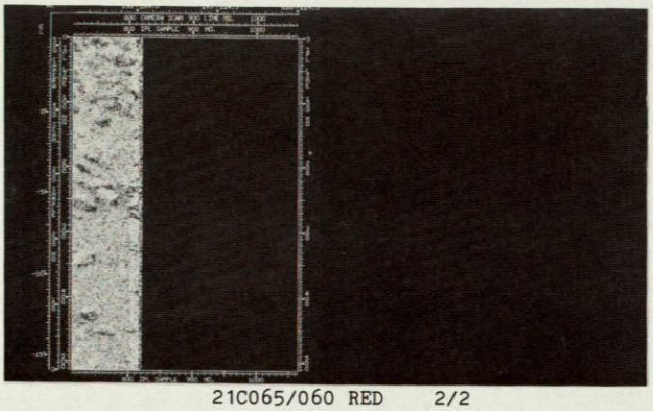

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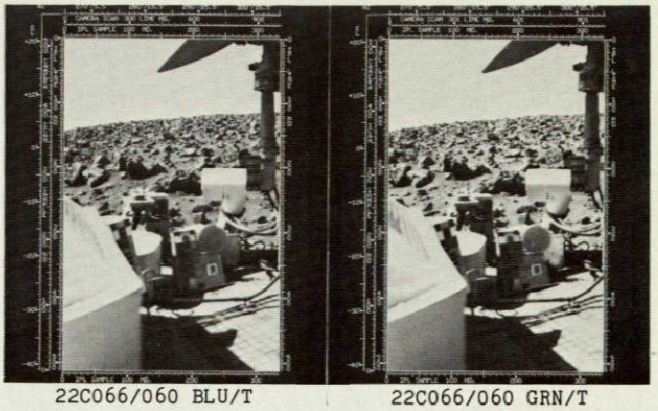

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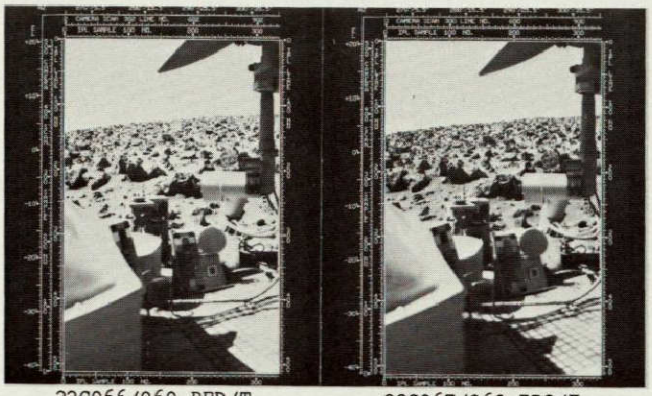

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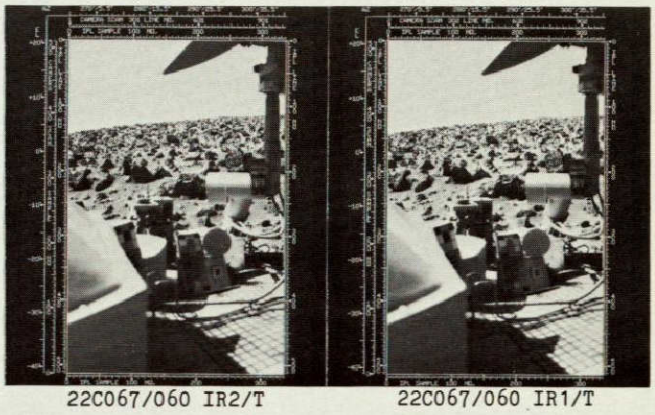

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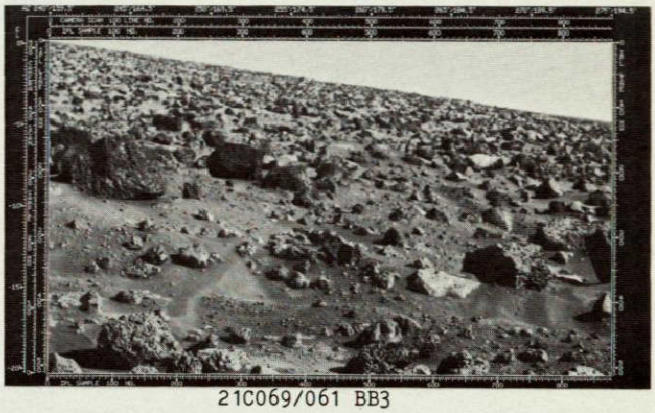

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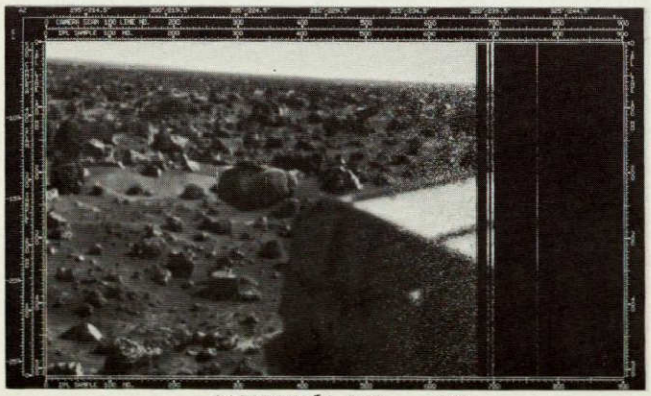

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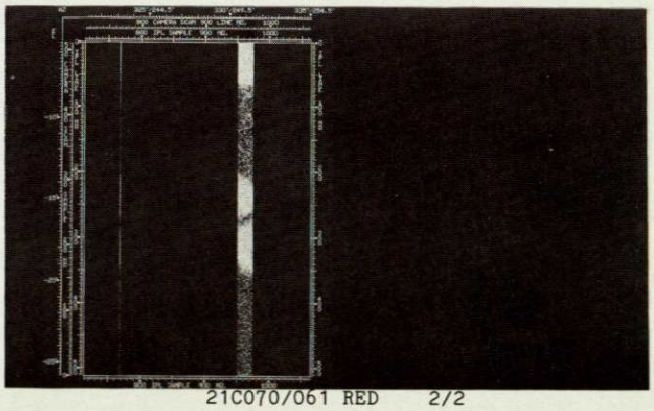

21C070/061 RED 2/2

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15. Supplementary Notes

Robert B. Tucker: Stanford University Medical Center, Stanford, California.

16. Abstract

All the images returned by the two Viking landers during the primary phase of the Viking Mission are presented in this report. Listings of supplemental information which describe the conditions under which the images were acquired are included together with skyline drawings which show where the images are positioned in the field of view of the cameras. Subsets of the images are listed in a variety of sequences to aid in locating images of interest. The format and organization of the digital magnetic tape storage of the images are described. A brief description of the mission and the camera system is also included.

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